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SERVERS

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
PowerEdge	T110, R210	16GB	4	2GB	A3132554	DRL1333U/2GB	1
				4GB	A3132555	DRL1333U/4GB	1
PowerEdge	T310, R310	32GB	6	2GB	A3116519	DRL1333U/2GB	1
				4GB		DRL1333U/4GB	1
[1] 16GB maximum using Unbuffered memory; 32GB using Registered memory.				2GB	A3116517	DRL1333R/2GB	1
				4GB	A3116520	DRL1066RQ/4GB	1
				8GB		DRL1066RQ8/8GB	1
Systems feature 1 or 2 processors each controlling 2 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.							
PowerEdge	1900	64GB	8	8GB		DRL667FB/8GB	2
Install DIMMs in matched pairs.				16GB[1]		DRL667FBQ/16GB	2
[1] 8GB Quad-Rank DIMMs require BIOS V2.3.1 or later.							
PowerEdge	1800, SC1420, SC1425	12GB	6	2GB	----	DRL2850S/2GB	1[1]
[1] Except for a single DIMM in the 1st slot, odd numbered DIMMs are not supported--DIMMs must be installed in matched pairs. If using both single- and dual-rank DIMMs, the dual-rank DIMMs must be installed in slots 1 and 2. Dual-rank DIMMs are not supported in slots 5 and 6. No more than the equivalent of eight ranks are supported. The DRL2850S/2GB is single-rank.							
PowerEdge	2970	64GB	8	8GB	A2257192	DRL667R/8GB	2
				16GB	A2257238	DRL667RQ/16GB	2
				4GB	A2408011	DRL800R2/4GB	2
				8GB	A2408012	DRL800R/8GB	2
Install DIMMs in matched pairs; 4 DIMM slots per processor.							
8GB Quad-Rank DIMMs require BIOS 1.2.2 or later. 8GB Quad-Rank DIMMs and all memory installed with them are clocked down to 533MHz.							
PowerEdge	SC1435, T605	32GB	8	8GB		DRL667R/8GB	2
				4GB	A2408001, A2408003	DRL800R2/4GB	2
				8GB	A2408002, A2408010	DRL800R/8GB	2
Install DIMMs in matched pairs; 4 DIMM slots per processor.							
PowerEdge	1850, 1855, 2800, 2850	16GB	6	2GB		DRL2850S/2GB	1[1]
				4GB		DRL2850D/4GB	1[1]
[1] Except for a single DIMM in the 1st slot, odd numbered DIMMs are not supported--DIMMs must be installed in matched pairs. If using both single- and dual-rank DIMMs, the dual-rank DIMMs must be installed in slots 1 and 2. Dual-rank DIMMs are not supported in slots 5 and 6. No more than the equivalent of eight ranks are supported. The DRL2850S/2GB is single-rank. The DRL2850D/4GB ia dual-rank.							
PowerEdge	T300, R300	24GB	6	8GB	A2257195, A2257196	DRL667R/8GB	2
Install DIMMs in matched pairs.							
PowerEdge	1955	64GB	8	8GB	A2257180	DRL667FB/8GB	2
Install DIMMs in matched pairs. Valid configurations are two, four, or eight DIMMs. For optimum performance all four or eight DIMMs should identical (capacity, speed, etc). Memory sparing and memory mirroring require eight and all must be identical.							
PowerEdge	1950, 1950 III,	64GB	8	8GB	A2257179, A2257233	DRL667FB/8GB	2
	2950, 2950 III			16GB[1]	A2257216, A2257246	DRL667FBQ/16GB	2
Install DIMMs in matched pairs. Valid configurations are two, four, or eight DIMMs. For optimum performance all four or eight DIMMs should identical (capacity, speed, etc). Memory sparing and memory mirroring require eight and all must be identical.							
[1] 8GB Quad-Rank DIMMs require BIOS V2.3.1 or later.							
PowerEdge	M600	64GB	8	8GB	A2257185	DRL667FB/8GB	2
Install DIMMs in matched pairs.				16GB[1]	A2257247	DRL667FBQ/16GB	2
[1] 8GB Quad-Rank DIMMs require BIOS V1.2.2 or later.							
PowerEdge	M605	64GB	8	8GB	A2257193	DRL667R/8GB	2
				16GB	A2257239	DRL667RQ/16GB	2
				4GB	A2408013	DRL800R2/4GB	2
				8GB	A2408014	DRL800R/8GB	2
Install DIMMs in matched pairs; 4 DIMM slots per processor.							
PowerEdge	R410, R510, T410	64GB[1]	8	2GB		DRL1333U/2GB	1
[1] 16GB maximum using Unbuffered memory; 64GB using Registered memory.				4GB		DRL1333R/4GB	1
				4GB		DRL1066RQ/4GB	1
				8GB		DRL1066R/8GB	1
				8GB	Not Offered by Dell	DRL1333R/8GB	1
Systems feature 1 or 2 processors each controlling 2 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.							
PowerEdge	M610, T610	96GB[1]	12	2GB	A2626068, ...063, ...073	DRL1333U/2GB	1
[1] 24GB maximum using Unbuffered memory; 96GB using Registered memory.				2GB	A2626069, ...064, ...074	DRL1333R/2GB	1
				4GB	A2626067, ...060, ...072	DRL1333R/4GB	1
				4GB	Not Offered by Dell	DRL1066RQ/4GB	1
				8GB	Not Offered by Dell	DRL1066R/8GB	1
				8GB	Not Offered by Dell	DRL1333R/8GB	1
Systems feature 1 or 2 processors each controlling 3 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	PowerEdge	C6100	96GB[1]	12	2GB		DRL1333U/2GB	1
	[1] 48GB maximum using Unbuffered memory; 96GB using Registered memory.				2GB		DRL1333R/2GB	1
					4GB		DRL1333R/4GB	1
					4GB		DRL1066RQ/4GB	1
					8GB		DRL1066R/8GB	1
					8GB		DRL1333R/8GB	1
	Systems feature 1 or 2 processors each controlling 3 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.							
	PowerEdge	C1100, C2100	144GB[1]	18	2GB		DRL1333U/2GB	1
	[1] 48GB (12 slots) maximum using Unbuffered memory; 144GB using Registered memory.				2GB	A3597106	DRL1333R/2GB	1
					4GB	A3597110	DRL1333R/4GB	1
					4GB	A3597109	DRL1066RQ/4GB	1
					8GB	A3597108	DRL1066R/8GB	1
					8GB		DRL1333R/8GB	1
	Systems feature 1 or 2 processors each controlling 3 memory "channels" of 3 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; 3 DIMMs per channel reduces speed to 800MHz for single or dual-rank DIMMs; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel; 3 quad-rank DIMMs are not supported.							
	PowerEdge	R610	192GB[1]	12	2GB	A2626068, ...063, ...073	DRL1333U/2GB	1
	[1] 24GB maximum using Unbuffered memory; 192GB using Registered memory.				2GB	A2626069, ...064, ...074	DRL1333R/2GB	1
					4GB	A2626067, ...060, ...072	DRL1333R/4GB	1
					4GB	Not Offered by Dell	DRL1066RQ/4GB	1
					8GB	Not Offered by Dell	DRL1066R/8GB	1
					8GB	Not Offered by Dell	DRL1333R/8GB	1
					16GB	A3138306	DRL1066RQ/16GB	1
	Systems feature 1 or 2 processors each controlling 3 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.							
	PowerEdge	M710, T710	144GB[1]	18	2GB	A2626077, A2626094	DRL1333U/2GB	1
	[1] 24GB (12 slots) maximum using Unbuffered memory; 144GB using Registered memory.				2GB	A2626090, A2626095	DRL1333R/2GB	1
					4GB	A2626076, A2626093	DRL1333R/4GB	1
					4GB	Not Offered by Dell	DRL1066RQ/4GB	1
					8GB	Not Offered by Dell	DRL1066R/8GB	1
					8GB	Not Offered by Dell	DRL1333R/8GB	1
	Systems feature 1 or 2 processors each controlling 3 memory "channels" of 3 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; 3 DIMMs per channel reduces speed to 800MHz for single or dual-rank DIMMs; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel; 3 quad-rank DIMMs are not supported.							
	PowerEdge	R710	192GB[1]	18	2GB	A2626077, A2626094	DRL1333U/2GB	1
	[1] 24GB (12 slots) maximum using Unbuffered memory; 192GB using Registered memory.				2GB	A2626090, A2626095	DRL1333R/2GB	1
					4GB	A2626076, A2626093	DRL1333R/4GB	1
					4GB	Not Offered by Dell	DRL1066RQ/4GB	1
					8GB	Not Offered by Dell	DRL1066R/8GB	1
					8GB	Not Offered by Dell	DRL1333R/8GB	1
					16GB	A3138306	DRL1066RQ/16GB	1
	Systems feature 1 or 2 processors each controlling 3 memory "channels" of 3 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; 3 DIMMs per channel reduces speed to 800MHz for single or dual-rank DIMMs; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel; 3 quad-rank DIMMs are not supported.							
NEW	***PowerEdge***	***R715***	***256GB***	***16***	***2GB***		***DRL1333R/2GB***	***1***
NEW					***4GB***		***DRL1333R/4GB***	***1***
NEW					***8GB***		***DRL1333R/8GB***	***1***
NEW					***16GB***		***DRL1066RQ/16GB***	***1***
	PowerEdge	M805	128GB[1]	16	8GB	A2018596, A2018597	DRL667R/8GB	2
					4GB	A2408004	DRL800R2/4GB	2
					8GB	A2408005	DRL800R/8GB	2
	[1] 128GB maximum with the release of 8GB DIMMs.							
	PowerEdge	M905	192GB[1]	24	8GB	A2018596, A2018597	DRL667R/8GB	2
					4GB	A2408006	DRL800R2/4GB	2
					8GB	A2408007	DRL800R/8GB	2
	[1] 192GB maximum with the release of 8GB DIMMs.							
	PowerEdge	2900, 2900 III	96GB	12	8GB	A2257181	DRL667FB/8GB	2
					16GB[1]		DRL667FBQ/16GB	2
	Install DIMMs in matched pairs. Valid configurations are two, four, eight or twelve DIMMs. For optimum performance all twelve DIMMs should identical (capacity, speed, etc). Memory sparing and memory mirroring require eight or twelve DIMMs, and all must be identical.							
	[1] 8GB Quad-Rank DIMMs require BIOS V2.3.1 or later.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	PowerEdge	6800, 6850	64GB	16[1]	2GB		DRL2850S/2GB	1[2]
					4GB		DRL2850D/4GB	1[2]
	[1] Memory is installed on 1 to 4 riser cards. Each riser card has 4 DIMM slots arranged in 2 banks.							
	[2] DIMMs must be ordered and installed in matched pairs. If using both single and dual rank DIMMs, the dual rank DIMMs must be installed in the first bank. The DRL2850S/2GB is single-rank. The DRL2850D/4GB is dual-rank.							
	PowerEdge	R805	128GB	16	8GB	A2257197	DRL667R/8GB	2
					16GB	A2257199	DRL667R/16GB	2
					4GB	A2407997	DRL800R2/4GB	2
					8GB	A2407998	DRL800R/8GB	2
	Install DIMMs in matched sets of four. 8 DIMM slots per processor. Quad-Rank DIMMs are not supported.							
NEW	***PowerEdge***	***R815***	***512GB***	***32***	***2GB***		***DRL1333R/2GB***	***1***
NEW					***4GB***		***DRL1333R/4GB***	***1***
NEW					***8GB***		***DRL1333R/8GB***	***1***
NEW					***16GB***		***DRL1066RQ/16GB***	***1***
	PowerEdge	R900	256GB	32	8GB	A2257184	DRL667FB/8GB	2
					16GB	A2257217	DRL667FBQ/16GB	2
	PowerEdge	6950	128GB	16	8GB	A2257191	DRL667R/8GB	2
					16GB	A2257240	DRL667RQ/16GB	2
	Install DIMMs in matched pairs; 4 DIMM slots per processor. 8GB Quad-Rank DIMMs require BIOS 1.2.12 or later. 8GB Quad-Rank DIMMs and all memory installed with them are clocked down to 533MHz.							
	PowerEdge	R905	256GB	32	8GB	A2257198	DRL667R/8GB	2
					16GB	A2257200	DRL667R/16GB	2
					4GB	A2407999	DRL800R2/4GB	2
					8GB	A2408000	DRL800R/8GB	2
	Install DIMMs in matched pairs. 8 DIMM slots per processor.							
	PowerEdge	R810, M910	512GB	32	4GB		DRL1066RQ/4GB	1
					8GB		DRL1066RQ8/8GB	1
					16GB		DRL1066RQ/16GB	1
	PowerEdge	R910	1TB	64	4GB		DRL1066RQ/4GB	1
					8GB		DRL1066RQ8/8GB	1
					16GB		DRL1066RQ/16GB	1
	WORKSTATIONS							
	Precision	T3500	24GB	6	2GB	A2626062	DRL1333U/2GB	1
					4GB	A2626089	DRL1333U/4GB	1
	Precision	R5400	32GB	4	8GB	A2146192	DRL667FB/8GB	2
	Install DIMMs in matched pairs.				16GB	A2146205	DRL667FBQ/16GB	2
	Precision	T5400	32GB	8	8GB	A2257183	DRL667FB/8GB	2
	Precision	T5500	72GB[1]	9	2GB	A2626099	DRL1333U/2GB	1
	[1] 12GB (6 slots maximum using Unbuffered memory; 72GB using Registered memory.				1GB	A2626852	DRL1333R/1GB	1
					2GB	A2626079	DRL1333R/2GB	1
					4GB	A2626098	DRL1333R/4GB	1
					4GB	Not Offered by Dell	DRL1066RQ/4GB	1
					8GB	Not Offered by Dell	DRL1066R/8GB	1
					8GB	Not Offered by Dell	DRL1333R/8GB	1
	Although these are DDR3-1333 and DDR3-10600 memory options, the speed at which they operate is dependent upon the processor model and memory configuration.							
	Precision	T7400	128GB[1]	16[1]	8GB	A2257182	DRL667FB/8GB	2
	[1] 64GB using 8 slots on main board; 128GB using 16 slots with optional riser cards (ordered at time of system purchase only).							
	Precision	T7500	192GB[1]	12	2GB	A2626084	DRL1333U/2GB	1
	[1] 24GB maximum using Unbuffered memory; 192GB using Registered memory.				1GB	A2626756	DRL1333R/1GB	1
					2GB	A2626086	DRL1333R/2GB	1
					4GB	A2626083	DRL1333R/4GB	1
					4GB	Not Offered by Dell	DRL1066RQ/4GB	1
					8GB	Not Offered by Dell	DRL1066R/8GB	1
					8GB	Not Offered by Dell	DRL1333R/8GB	1
					16GB		DRL1066RQ/16GB	1
	Systems feature 1 or 2 processors each controlling 3 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.							
	Precision	490	64GB	8	8GB	A2257232	DRL667FB/8GB	2
	Install DIMMs in matched pairs.							
	Precision	690 (750W Model)	32GB	8	8GB	A2257178	DRL667FB/8GB	2
	Install DIMMs in matched pairs. For optimum performance install in groups of four identical DIMMs.							
		690 (1KW Model)	64GB	16[1]	8GB	A2257178	DRL667FB/8GB	2
	[1] DIMMs are installed on four riser cards and DIMMs must be installed on these cards in sets of four identical DIMMs, one on each riser card.							

HP

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FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
HP 9000 UNIX SERVERS							
HP 9000 rp3440-4		32GB	12	4GB	A9774A	DRH3400/4GB	4
				8GB	A9775A	DRH3400/8GB	4
				16GB	AB561A	DRH3400/16GB	4
HP 9000 rp4410-4, rp4440-8		128GB	32[1)]	4GB	A7130A	DRH4440/4GB	4
				8GB	A7131A	DRH4440/8GB	4
				16GB	AB560A	DRH4440/16GB	4
[1)] Memory is installed on one of two possible HP Memory Cards. The A9738A is a 16-DIMM slot memory board allowing for up to 64GB of memory. The A9739A is a 32-DIMM slot memory board allowing for up to 128GB of memory.							
HP 9000 rp7440		128GB	32[1)]	8GB	AB455A	DRH8640/8GB	2
[1)] Memory is installed on one or two HP Cell Boards, each containing 16 DIMM slots.							
HP 9000 rp8440		256GB	64[1)]	8GB	AB455A	DRH8640/8GB	2
[1)] Memory is installed on one, two, or four HP Cell Boards, each containing 16 DIMM slots.							
INTEGRITY SERVER FAMILY							
Integrity BL860c		48GB	12	8GB	AD345A	DRH860/8GB	2
Double Chip Spare requires that DIMMs are loaded in like quads. DIMMs must be installed in decreasing capacity with the largest DIMMs installed in the smallest numbered DIMM slot.							
NEW	***Integrity BL860c i2***	***192GB***	***24***	***4GB***	***AM326A***	***DRH890I2/4GB***	***2***
				8GB	***AM327A***	***DRH890I2/8GB***	***2***
				16GB	***AM328A***	***DRH890I2/16GB***	***2***
NEW	***Integrity BL870c i2***	***384GB***	***48***	***8GB***	***AM327A***	***DRH890I2/8GB***	***2***
				16GB	***AM328A***	***DRH890I2/16GB***	***2***
	DIMMs must be installed in sets of four (i.e. two AM327A, AM328A, DRH890I2/8GB or DRH890I2/16GB kits at a time).						
NEW	***Integrity BL890c i2***	***768GB***	***96***	***8GB***	***AM327A***	***DRH890I2/8GB***	***2***
				16GB	***AM328A***	***DRH890I2/16GB***	***2***
	DIMMs must be installed in sets of four (i.e. two AM327A, AM328A, DRH890I2/8GB or DRH890I2/16GB kits at a time).						
Integrity rx2600-2		32GB[1)]	12	8GB	A6835A, AB228A	DRH5670/8192	4
[1)] 32GB maximum using 8x4GB DIMMs.				16GB	AB475A	DRH4640/16GB	4
Integrity rx2620-2		32GB[1)]	12	8GB	A6835A, AB228A	DRH5670/8192	4
[1)] 32GB maximum using 8x4GB DIMMs.				16GB	AB475A	DRH4640/16GB	4
Integrity rx2660		32GB	8	4GB	AD275A	DRH2660/4GB	2
				8GB	AD276A	DRH2660/8GB	2
Integrity rx3600		192GB	24[1)]	8GB	AB565A	DRH6600/8GB	4
				16GB	AB566A	DRH6600/16GB	4
				32GB	AH405A	DRH6600/32GB	4
[1)] The standard rx3600 server configuration includes an 8-DIMM memory carrier which contains two 4-DIMM memory boards. An optional, high-capacity memory configuration with a 24-DIMM memory carrier containing a pair of 12-DIMM memory boards is available with this server. DIMMs are installed onto the memory carriers. The minimum server configuration requires at least one memory quad, or group of four DIMMs.							
Integrity rx4640-8		128GB	32[1)]	8GB	A6970A	DRH4640/8192	4
				16GB	AB475A	DRH4640/16GB	4
[1)] Memory is installed on a single HP Memory Carrier Board containing 16 or 32 DIMM slots. The system can be purchased with an HP# A9738A (16 DIMM slots) or an HP# A9739A (32 DIMM slots).							
Integrity rx5670		96GB	48[1)]	8GB	A6835A	DRH5670/8192	4
[1)] Memory is installed on one or two HP Memory Carrier Cards (A6747A), each containing 24 DIMM slots.							
Integrity rx6600		384GB	48[1)]	8GB	AB565A	DRH6600/8GB	4
				16GB	AB566A	DRH6600/16GB	4
				32GB	AH405A	DRH6600/32GB	4
[1)] The standard rx6600 server configuration includes a 24-DIMM memory carrier & can be expanded with an additional 24-DIMM memory carrier. DIMMs are installed onto the memory carriers. The minimum server configuration requires at least one memory quad, or group of four DIMMs.							
Integrity rx7640		256GB	32[1)]	8GB	AB455A	DRH8640/8GB	2
				16GB	AB456A	DRH8640/16GB	2
[1)] Memory is installed on one or two HP Cell Boards, each containing 16 DIMM slots.							
Integrity rx8640		512GB	64[1)]	8GB	AB455A	DRH8640/8GB	2
				16GB	AB456A	DRH8640/16GB	2
[1)] Memory is installed on one, two, or four HP Cell Boards, each containing 16 DIMM slots.							
PROLIANT BLADE SERVERS							
ProLiant BL20p G2	X2800, X3060, X3200	8GB	4	2GB	300680-B21	DRH370/2048	2
				4GB	300682-B21	DRH370/4096	2
ProLiant BL20p G3		16GB	4	8GB	348106-B21	DRH380G4D/8GB	2
ProLiant BL20p G4		32GB	8	8GB	397415-B21	DRH667FB/8GB	2
DIMMs must be installed in matched pairs.							
ProLiant BL25p G2		32GB	8[1)]	8GB	408854-B21	DRH585G2/8GB	2
[1)] Four DIMM slots per processor							
ProLiant BL30p	X3.06, X3.2	4GB	2	2GB	300680-B21	DRH370/2048	2
				4GB	300682-B21	DRH370/4096	2
ProLiant BL40p	X1.5, X2.0, X2.2, X2.8, X3.0	12GB	6	2GB	300680-B21	DRH370/2048	2
				4GB	300682-B21	DRH370/4096	2
ProLiant BL45p G2		64GB	16[1)]	8GB	408854-B21	DRH585G2/8GB	2
[1)] Four DIMM slots per processor							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	ProLiant BL2x220c G5		32GB	4	8GB	408854-B21	DRH585G2/8GB	2
					8GB	483403-B21	DRH585G2L/8GB	2
					16GB	408855-B21	DRH585G2/16GB	2
NEW	***ProLiant BL2x220c G6***		96GB	6	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #1 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
				(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
				(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	ProLiant BL260c G5		48GB	6	8GB	408854-B21	DRH585G2/8GB	2
					8GB	483403-B21	DRH585G2L/8GB	2
					16GB	408855-B21	DRH585G2/16GB	2
NEW	***ProLiant BL280c G6***		192GB	12	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #1 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
				(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
				(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	ProLiant BL460c		64GB	8	4GB	461828-B21	DRH667FBL/4GB	2
					8GB	397415-B21	DRH667FB/8GB	2
					8GB	466440-B21	DRH667FBL/8GB	2
					16GB	413015-B21	DRH667FB/16GB	2
	DIMMs must be installed in matched pairs.				64GB	495604-B21	DRH667FB/64GB	8
	HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
	ProLiant BL460c G5		32GB	8	4GB	461828-B21	DRH667FBL/4GB	2
					8GB	466440-B21	DRH667FBL/8GB	2
NEW	***ProLiant BL460c G6***		192GB	12	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #1 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
				(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
				(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	ProLiant BL465c		32GB	8[1)]	8GB	408854-B21	DRH585G2/8GB	2
	[1)] Four DIMM slots per processor							
	ProLiant BL465c G5		64GB	8[1)]	8GB	408854-B21	DRH585G2/8GB	2
					8GB	483403-B21	DRH585G2L/8GB	2
					16GB	408855-B21	DRH585G2/16GB	2
					64GB	495605-B21	DRH585G2/64GB	8
					8GB	497767-B21	DRH800R/8GB	2
	[1)] Four DIMM slots per processor.				8GB	504351-B21	DRH800RLP/8GB	2
	The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power.							
	The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
	ProLiant BL465c G6		64GB	8[1)]	8GB	497767-B21	DRH800R/8GB	2
					8GB	504351-B21	DRH800RLP/8GB	2
					16GB	408855-B21	DRH585G2/16GB	2
					64GB	495605-B21	DRH585G2/64GB	8
	[1)] Four DIMM slots per processor.							
	The DRH585G2x and assocated HP options are DDR2-667.							
	The DRH800Rx and associated HP options are DDR2-800 in normal and low (L) power.							
	ProLiant BL480c		64GB[1)]	12	4GB	461828-B21	DRH667FBL/4GB	2
					8GB	397415-B21	DRH667FB/8GB	2
					8GB	466440-B21	DRH667FBL/8GB	2
					16GB	413015-B21	DRH667FB/16GB	2
	[1)] 64GB maximum configured as 8 x 8GB DIMMs.				64GB	495604-B21	DRH667FB/64GB	8
	HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
NEW	***ProLiant BL490c G6***		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
				(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
				(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
ProLiant BL495c G5		128GB	16[1)]	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
[1)] Eight DIMM slots per processor. The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
ProLiant BL495c G6		128GB	16[1)]	8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
[1)] Eight DIMM slots per processor. The DRH585G2x and assocated HP options are DDR2-667. The DRH800Rx and associated HP options are DDR2-800 in normal and low (L) power.							
ProLiant BL680c G5		128GB	16	4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
				16GB	413015-B21	DRH667FB/16GB	2
[1)] 64GB maximum configured as 8 x 8GB DIMMs.				64GB	495604-B21	DRH667FB/64GB	8
HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
ProLiant BL685c		64GB	16[1)]	8GB	408854-B21	DRH585G2/8GB	2
[1)] Four DIMM slots per processor							
ProLiant BL685c G5		128GB	16[1)]	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
[1)] Four DIMM slots per processor. The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in normal and low (L) power.							
ProLiant BL685c G5		256GB	32[1)]	8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
[1)] Eight DIMM slots per processor. The memory bus will operate at 800MHz with 4 or fewer DIMMs per processor, 667MHz with 6 DIMMs per processor, and 533MHz with 8 DIMMs per processor. The DRH585G2x and assocated HP options are DDR2-667. The DRH800Rx and associated HP options are DDR2-800 in normal and low (L) power.							

PROLIANT SERVERS

DDR3 Note #1: For HP ProLiant systems with 12 DIMM slots:
Systems feature 1 or 2 processors each controlling 3 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz*; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.
DDR3 Note #2: For HP ProLiant systems with 16 or 18 DIMM slots:
Systems feature 1 or 2 processors each controlling 3 memory "channels" of 3 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz*; 3 DIMMs per channel reduces speed to 800MHz for single or dual-rank DIMMs; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel; 3 quad-rank DIMMs are not supported.

*See performance tuning option available on certain systems.

ProLiant DL120 G5p		8GB	4	2GB	450260-B21	DRH800U/2GB	1[1)]
[1)] Install DIMMs in matched pairs and matched quads for best performance.							
ProLiant DL120 G6		16GB	6	2GB	500656-B21	DRH1333R/2GB	1
ProLiant DL140 G2	2.8GHz, 3.4GHz, 3.6GHz	16GB	8	4GB	343057-B21	DRH380G4S/4GB	2
ProLiant DL140 G3		32GB	8	4GB	461828-B21	DRH667FBL/4GB	2
DIMMs must be installed in matched pairs.				8GB	397415-B21	DRH667FB/8GB	2
HP's 461828-B21 and Dataram's DRH667FBL/4GB are Low Power DIMMs.							
ProLiant DL145 G3		32GB	8[1)]	8GB	408854-B21	DRH585G2/8GB	2
[1)] Four DIMM slots per processor							
ProLiant DL160 G5		64GB	8	4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
				16GB	413015-B21	DRH667FB/16GB	2
				64GB	495604-B21	DRH667FB/64GB	8
HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
ProLiant DL160 G5p		64GB	16	4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
ProLiant DL160se G6		192GB	12	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
				8GB	516423-B21	DRH1066R/8GB	1
See DDR3 Note #1 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
ProLiant DL160 G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
				8GB	516423-B21	DRH1066R/8GB	1
				8GB	500662-B21	DRH1333R/8GB	1
See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
ProLiant DL165 G5		64GB	8[1]	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
[1] Four DIMM slots per processor. Best performance with identical memory configurations for both processors. The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
ProLiant DL165 G5p		128GB	16[1]	8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				8GB	497767-B21	DRH800R/8GB	2
[1] Eight DIMM slots per processor.				8GB	504351-B21	DRH800RLP/8GB	2
The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
ProLiant DL165 G6		64GB	8[1]	8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
[1] Four DIMM slots per processor. Best performance with identical memory configurations for both processors. The DRH585G2x and assocated HP options are DDR2-667. The DRH800Rx and associated HP options are DDR2-800 in normal and low (L) power.							
ProLiant DL170h G6		192GB	16	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
				8GB	516423-B21	DRH1066R/8GB	1
				8GB	500662-B21	DRH1333R/8GB	1
See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
ProLiant DL180 G5		16GB	6	8GB	408854-B21	DRH585G2/8GB	2
Only one dual-rank kit (8GB) may be installed and it must be installed in the first bank (slots 1 and 2).							
ProLiant DL180 G6		192GB	12	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
				8GB	516423-B21	DRH1066R/8GB	1
See DDR3 Note #1 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
ProLiant DL185 G5		64GB	8[1]	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
ProLiant DL320 G5p		8GB	4	2GB	450260-B21	DRH800U/2GB	1[1]
[1] Install DIMMs in matched pairs to take advantage of dual-channel mode and best performance.							
NEW ProLiant DL320 G6		96GB	9	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
				8GB	500662-B21	DRH1333R/8GB	1
				8GB	516423-B21	DRH1066R/8GB	1
				16GB	500666-B21	DRH1066RQ/16GB	1
			(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
			(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
ProLiant DL360 G3	X2400, X2800, X3060, X320	8GB	4	2GB	300680-B21	DRH370/2048	2
				4GB	300682-B21	DRH370/4096	2
ProLiant DL360 G4	X3.0, X3.4, X3.6	8GB	4	2GB	358349-B21	DRH360G4/2GB	1[1]
[1] DIMMs must be installed in matched pairs.							
ProLiant DL360 G4p		16GB	6	4GB	343057-B21	DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
[1] Except for a single DIMM in the 1st slot, odd numbered DIMMs are not supported--DIMMs must be installed in matched pairs. If using both single- and dual-rank DIMMs, the dual-rank DIMMs must be installed in slots 1 and 2. Dual-rank DIMMs are not supported in slots 5 and 6. No more than the equivalent of eight ranks are supported. The DRH380G4S/4GB is single-rank. The DRH380G4D/8GB is dual-rank. The Online Spare option is not supported with the use of dual-rank DIMMs.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	ProLiant DL360 G5		64GB	8	4GB	461828-B21	DRH667FBL/4GB	2
					8GB	397415-B21	DRH667FB/8GB	2
					8GB	466440-B21	DRH667FBL/8GB	2
					16GB	413015-B21	DRH667FB/16GB	2
	DIMMs must be installed in matched pairs.				64GB	495604-B21	DRH667FB/64GB	8
	HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
	ProLiant DL360 G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
	ProLiant DL360 G7		***192GB***	***18***	***2GB***	***500656-B21***	***DRH1333R/2GB***	***1***
					4GB	***500658-B21***	***DRH1333R/4GB***	***1***
					8GB	***500662-B21***	***DRH1333R/8GB***	***1***
	See DDR3 Note #2 at top of ProLiant Servers section				***16GB***	***500666-B21***	***DRH1066RQ/16GB***	***1***
NEW				***(1.35V)***	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
NEW				***(1.35V)***	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
NEW	***Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.***							
	ProLiant DL365		32GB	8	8GB	408854-B21	DRH585G2/8GB	2
	Four Single-Rank DIMMs per processor node provides 2-way bank interleaving. Four Dual- Rank DIMMs per processor node provides 4-way bank interleaving. Mixing Single- and Dual-Rank DIMMs on the same processor node will disable bank interleaving. The 408854-B21 (DRH585G2/8GB) contains dual-rank DIMMs. Kits must be installed in decreasing capacity with the largest kits installed in the banks furthest away from each processor.							
	ProLiant DL365 G5		32GB	8	8GB	408854-B21	DRH585G2/8GB	2
					8GB	483403-B21	DRH585G2L/8GB	2
					8GB	497767-B21	DRH800R/8GB	2
					8GB	504351-B21	DRH800RLP/8GB	2
	The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
	ProLiant DL370 G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
	ProLiant DL380 G3		12GB[1)]	6	2GB	300680-B21	DRH370/2048	2
					4GB	300682-B21	DRH370/4096	2
	[1)] Older models with a 400MHz FSB (2.4GHz or 2.8GHz processor) cannot use 2GB DIMMs and are limited to 6GB maximum. Newer models with a 533MHz FSB (2.8GHz processor) can use 2GB DIMMs and can achieve 12GB maximum.							
	ProLiant DL380 G4		16GB	6	4GB	343057-B21	DRH380G4S/4GB	2
					8GB	348106-B21	DRH380G4D/8GB	2
	[1)] Except for a single DIMM in the 1st slot, odd numbered DIMMs are not supported--DIMMs must be installed in matched pairs. If using both single- and dual-rank DIMMs, the dual-rank DIMMs must be installed in slots 1 and 2. Dual-rank DIMMs are not supported in slots 5 and 6. No more than the equivalent of eight ranks are supported. The DRH380G4S/4GB is single-rank. The DRH380G4D/8GB is dual-rank. The Online Spare option is not supported with the use of dual-rank DIMMs.							
	ProLiant DL380 G5		64GB	8	4GB	461828-B21	DRH667FBL/4GB	2
					8GB	397415-B21	DRH667FB/8GB	2
					8GB	466440-B21	DRH667FBL/8GB	2
					16GB	413015-B21	DRH667FB/16GB	2
	DIMMs must be installed in matched pairs.				64GB	495604-B21	DRH667FB/64GB	8
	HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
	ProLiant DL380 G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
	ProLiant DL380 G7		***192GB***	***18***	***2GB***	***500656-B21***	***DRH1333R/2GB***	***1***
					4GB	***500658-B21***	***DRH1333R/4GB***	***1***
					8GB	***500662-B21***	***DRH1333R/8GB***	***1***
	See DDR3 Note #2 at top of ProLiant Servers section				***16GB***	***500666-B21***	***DRH1066RQ/16GB***	***1***
NEW				***(1.35V)***	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
NEW				***(1.35V)***	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
NEW	***Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.***							
	ProLiant DL385 G2		32GB	8	8GB	408854-B21	DRH585G2/8GB	2
	Four Single-Rank DIMMs per processor node provides 2-way bank interleaving. Four Dual- Rank DIMMs per processor node provides 4-way bank interleaving. Mixing Single- and Dual-Rank DIMMs on the same processor node will disable bank interleaving. The 408854-B21 (DRH585G2/8GB) contains dual-rank DIMMs. Kits must be installed in decreasing capacity with the largest kits installed in the banks furthest away from each processor.							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
ProLiant DL385 G5		64GB	8	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
Four Single-Rank DIMMs per processor node provides 2-way bank interleaving. Four Dual- Rank DIMMs per processor node provides 4-way bank interleaving. Mixing Single- and Dual-Rank DIMMs on the same processor node will disable bank interleaving. The 408854-B21 (DRH585G2/8GB) contains dual-rank DIMMs. Kits must be installed in decreasing capacity with the largest kits installed in the banks furthest away from each processor.							
ProLiant DL385 G5p, ProLiant DL385 G6		128GB	16	8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
Four Single-Rank DIMMs per processor node provides 2-way bank interleaving. Four Dual- Rank DIMMs per processor node provides 4-way bank interleaving. Mixing Single- and Dual-Rank DIMMs on the same processor node will disable bank interleaving. The 497765-B21 (DRH800R/4GB) contains single-rank DIMMs. All others contain dual-rank DIMMs. Kits must be installed in decreasing capacity with the largest kits installed in the banks furthest away from each processor. The DRH585G2 and assocated HP options are DDR2-667. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
ProLiant DL560	X1.5, X1.9, X2.0, X2.2	12GB	6	2GB	300680-B21	DRH370/2048	2
	X2.5, X2.7, X2.8, X3.0			4GB	300682-B21	DRH370/4096	2
ProLiant DL580 G3		64GB	16[1)]	4GB	343057-B21	DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
[1)] Memory is installed on 1 to 4 riser cards. Each riser card has 4 DIMM slots arranged in 2 banks. If using both single and dual rank DIMMs, the dual rank DIMMs must be installed in the first bank. The DRH380G4S/4GB is single-rank. The DRH380G4D/8GB is dual-rank.							
ProLiant DL580 G4		64GB	16[1)]	4GB	343057-B21	DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
[1)] Memory is installed on 1 to 4 riser cards. Each riser card has 4 DIMM slots arranged in 2 banks. If using both single and dual rank DIMMs, the dual rank DIMMs must be installed in the first bank. The DRH380G4S/4GB is single-rank. The DRH380G4D/8GB is dual-rank.							
ProLiant DL580 G5		256GB	32[1)]	4GB	461828-B21	DRH667FBL/4GB	2[2)]
				8GB	397415-B21	DRH667FB/8GB	2[2)]
				8GB	466440-B21	DRH667FBL/8GB	2[2)]
				16GB	413015-B21	DRH667FB/16GB	2[2)]
				64GB	495604-B21	DRH667FB/64GB	8
[1)] The DL580 G5 will be configured with 4 or 8 HP Memory Expansion Boards, each containing 4 DIMM slots. For systems configured with just 4 of these HP Expansion Boards, HP offers a DL580 G5 Memory Expansion Boards Option (452179-B21). This option consists of 4 memory expansion boards with 4 DIMM slots each for a total of 16 additional DIMM slots. This brings the DL580G5 to a total of 32 DIMM slots. [2)] To achieve maximum memory performance and flexibility, memory should be upgraded in groups of 4 identical DIMMs. HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
NEW ***ProLiant DL580 G7***		***1TB***	***64***	***2GB***	***500656-B21***	***DRH1333R/2GB***	***1***
				4GB	***500658-B21***	***DRH1333R/4GB***	***1***
				8GB	***500662-B21***	***DRH1333R/8GB***	***1***
				16GB	***500666-B21***	***DRH1066RQ/16GB***	***1***
The server supports up to 8 HP Memory Cartridges (HP# 588141-B21), each containing 8 DIMM slots. Quad-rank DIMMs offer better performance than dual-rank DIMMs. Performance is also improved by using identical capacity DIMMs & balancing memory across cartridges.							
ProLiant DL585		128GB	32[1)]	2GB	300680-B21	DRH370/2048	2
[DDR266 PC2100 Memory Options]				4GB	300682-B21	DRH370/4096	2
				8GB	Not Offered by HP	DRH145/8GB	2
[1)] Memory is installed on 2 to 4 processor memory boards. The processor memory boards have 8 DIMM slots. All DIMMs on a particular processor memory board must be of the same capacity, but capacities may differ between processor memory boards.							
ProLiant DL585 G2		256GB	32[1)]	8GB	408854-B21	DRH585G2/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
[1)] 32 DIMM slots (4 processor memory buses; 8 slots per processor memory bus) 667MHz memory performance requires no more than 4 DDR2-667 (PC2-5300) 4GB DIMMs per processor memory bus; any more will result in the memory slowing down to 533MHz Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 2-way bank interleaving. Four Dual- Rank DIMMs (2, 4 and 8GB DIMMs) per processor node provides 4-way bank interleaving. Mixing Single- and Dual-Rank DIMMs on the same processor node will disable bank Kits must be installed in decreasing capacity with the largest kits installed in the banks furthest away from each processor.							
ProLiant DL585 G5		256GB	32[1)]	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
[1)] 32 DIMM slots (4 processor memory buses; 8 slots per processor memory bus) The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power. 800MHz memory bus speeds are only supported on models configured with Opteron 8384, 8382, 8380, and 8378 processors. Memory bus speeds for 4 or fewer, 6, or 8 will operate at 800-, 667-, and 533MHz, respectively. All other processor configurations will operate at 667MHz with up to 4 DIMMs and 533MHz when using additional DIMMs.							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
ProLiant DL585 G6		256GB	32[1)]	8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
[1)] 32 DIMM slots (4 processor memory buses; 8 slots per processor memory bus) The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power. Memory bus speeds for 4 or fewer, 6, or 8 will operate at 800-, 667-, and 533MHz, respectively. All other processor configurations will operate at 667MHz with up to 4 DIMMs and 533MHz when using additional DIMMs.							
ProLiant DL785 G5		512GB	64[1)]	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
[1)] The server supports 4 or 8 Processor Memory Cell Boards. Each Cell Board contains one processor socket and 8 DIMM slots. Valid 4 Cell Boards or 8 Cell Boards (32 or 64 DIMM slots). A minimum of two DIMMs (1 kit) must be installed per processor. Each Cell Board must contain the same number of DIMMs. The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular & low (L) power. 800MHz memory bus speeds are only supported on models configured with Opteron 8384, 8380, 8378 and 8376 processors. Memory bus speeds for 4 or fewer, 6, or 8 will operate at 800-, 667-, and 533MHz, respectively. DIMMs must be installed in matched pairs. DIMMs installed in different banks can be different capacities.							
ProLiant DL785 G6		512GB	64[1)]	8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
[1)] The server supports 4 or 8 Processor Memory Cell Boards. Each Cell Board contains one processor socket & 8 DIMM slots. Valid configurations are 4 Cell Boards or 8 Cell Boards (32 or 64 DIMM slots). A minimum of two DIMMs (1 kit) must be installed per processor. Each Cell Board must contain the same number of DIMMs. The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power. Memory bus speeds for 4 or fewer, 6, or 8 will operate at 800-, 667-, and 533MHz, respectively. DIMMs must be installed in matched pairs. DIMMs installed in different banks can be different capacities.							
ProLiant ML110 G5		8GB	4	2GB	450260-B21	DRH800U/2GB	1[1)]
[1)] Install DIMMs in matched pairs to take advantage of dual-channel mode and best performance.							
ProLiant ML115 G5		8GB	4	2GB	450260-B21	DRH800U/2GB	1[1)]
[1)] Install DIMMs in matched pairs to take advantage of dual-channel mode and best performance.							
ProLiant ML150 G2	X2.8, X3.0, X3.2	8GB	4	2GB	358349-B21	DRH360G4/2GB	1[1)]
[1)] Except for a single DIMM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.							
ProLiant ML150 G5		16GB	6	8GB	408854-B21	DRH585G2/8GB	2
Only one dual-rank kit (8GB) may be installed and it must be installed in the first bank (slots 1 and 2).							
ProLiant ML150 G6		48GB	12	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
See DDR3 Note #1 at top of ProLiant Servers section							
ProLiant ML310 G5, ML310 G5p		8GB	4	2GB	450260-B21	DRH800U/2GB	1[1)]
[1)] Install DIMMs in matched pairs to take advantage of dual-channel mode and best performance.							
NEW ProLiant ML330 G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
				8GB	500662-B21	DRH1333R/8GB	1
				8GB	516423-B21	DRH1066R/8GB	1
See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
			(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
			(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
ProLiant ML350 G4p	X3.0, X3.2, X3.4	16GB	6	4GB	343057-B21	DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
[1)] Except for a single DIMM in the 1st slot, odd numbered DIMMs are not supported--DIMMs must be installed in matched pairs. If using both single- and dual-rank DIMMs, the dual-rank DIMMs must be installed in slots 1 and 2. Dual-rank DIMMs are not supported in slots 5 and 6. No more than the equivalent of eight ranks are supported. The DRH380G4S/4GB is single-rank. The DRH380G4D/8GB is dual-rank. The Online Spare option is not supported with the use of dual-rank DIMMs.							
ProLiant ML350 G5		32GB[1)]	8	4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
[1)] Maximum supported memory is 16GB for Dual-Core and 32GB on Quad-Core models. [2)] Except for a single DIMM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported. HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
NEW ProLiant ML350 G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
				4GB	500658-B21	DRH1333R/4GB	1
				8GB	500662-B21	DRH1333R/8GB	1
				8GB	516423-B21	DRH1066R/8GB	1
See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
			(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
			(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	ProLiant ML370 G3	X2400, X2800, X3060, X320	12GB	6	2GB	300680-B21	DRH370/2048	2
					4GB	300682-B21	DRH370/4096	2
	ProLiant ML370 G4		16GB	8	4GB	343057-B21	DRH380G4S/4GB	2
	ProLiant ML370 G5		128GB	16[1)]	4GB	461828-B21	DRH667FBL/4GB	2
					8GB	397415-B21	DRH667FB/8GB	2
					8GB	466440-B21	DRH667FBL/8GB	2
					16GB	413015-B21	DRH667FB/16GB	2
	[1)] 8 Slots per HP Memory Card; up to 2 HP Memory Cards supported. DIMMs must be installed in matched pairs. HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
	ProLiant ML370 G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
	ProLiant ML570 G3		64GB	24[1)]	4GB	343057-B21	DRH380G4S/4GB	2
					8GB	348106-B21	DRH380G4D/8GB	2
	[1)] Memory is installed on 1 to 4 riser cards. Each riser card has 6 DIMM slots arranged in 3 banks. If using both single and dual rank DIMMs, the dual rank DIMMs must be installed in the first bank. Dual rank DIMMs are not supported in slots 5 and 6. No more than the equivalent of eight ranks are supported. The DRH380G4S/4GB is single-rank. The DRH380G4D/8GB is dual-rank.							
	ProLiant ML570 G4		64GB	24[1)]	4GB	343057-B21	DRH380G4S/4GB	2
					8GB	348106-B21	DRH380G4D/8GB	2
	[1)] Memory is installed on 1 to 4 riser cards. Each riser card has 6 DIMM slots arranged in 3 banks. If using both single and dual rank DIMMs, the dual rank DIMMs must be installed in the first bank. Dual rank DIMMs are not supported in slots 5 and 6. No more than the equivalent of eight ranks are supported. The DRH380G4S/4GB is single-rank. The DRH380G4D/8GB is dual-rank.							
NEW	ProLiant SL160z G6		192GB	18	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
	See DDR3 Note #2 at top of ProLiant Servers section				16GB	500666-B21	DRH1066RQ/16GB	1
				(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
				(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	ProLiant SL165z G6		128GB	16	8GB	483403-B21	DRH585G2L/8GB	2
					16GB	408855-B21	DRH585G2/16GB	2
					64GB	495605-B21	DRH585G2/64GB	8
					8GB	497767-B21	DRH800R/8GB	2
					8GB	504351-B21	DRH800RLP/8GB	2
	The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.							
NEW	***ProLiant SL170z G6,***		192GB	16	2GB	500656-B21	DRH1333R/2GB	1
	ProLiant SL2x170z G6[1)]				4GB	500658-B21	DRH1333R/4GB	1
	[1)] Includes two (2) SL170 system boards per tray. The information presented is for each system board. Systems feature 1 or 2 processors each controlling 3 memory "channels" of two 3 DIMM slots for two memory channels and one 2 DIMM slots for one memory channel.				8GB	500662-B21	DRH1333R/8GB	1
					8GB	516423-B21	DRH1066R/8GB	1
					16GB	500666-B21	DRH1066RQ/16GB	1
				(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
				(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	HP-UX WORKSTATIONS							
	C-Class	C8000	32GB	8	8GB	AB662A	DRHC8000/8GB	2
	PROLIANT WORKSTATION BLADES							
NEW	***ProLiant WS460c G6***		96GB	12	2GB	500656-B21	DRH1333R/2GB	1
					4GB	500658-B21	DRH1333R/4GB	1
					8GB	500662-B21	DRH1333R/8GB	1
	See DDR3 Note #1 at top of ProLiant Servers section				8GB	516423-B21	DRH1066R/8GB	1
				(1.35V)	***4GB***	***604504-B21***	***DRH1333RL/4GB***	***1***
				(1.35V)	***8GB***	***604506-B21***	***DRH1333RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	PERSONAL WORKSTATIONS							
NEW	***Z200***, Z400		16GB	4	1GB	FX698AA, FX698UT	DRHZ600U/1GB	1
					2GB	FX699AA, FX699UT	DRHZ600U/2GB	1
					4GB	NL797AA	DRHZ600U/4GB	1
	Although these are DDR3-1333 memory options, the speed at which they operate is dependent upon the processor model.							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
Z600		48GB[1]	6	1GB	FX698AA, FX698UT	DRHZ600U/1GB	1
				2GB	FX699AA, FX699UT	DRHZ600U/2GB	1
				4GB	NL797AA	DRHZ600U/4GB	1
[1] 24GB maximum with Unbuffered DIMMs;				4GB	FX621AA, FX621UT	DRHZ800R/4GB	1
48GB maximum with Registered DIMMs				8GB	FX622AA	DRHZ800R/8GB	1
The use of Registered DIMMs requires a system board with a C2 revision of the Intel 5520 chipset. Each processor supports up to 3 channels of DDR3 memory. To realize full performance at least 1 DIMM must be inserted into each channel. To get full 6 channel support, 2 processors MUST be installed. Although these are DDR3-1333 memory options, the speed at which they operate is dependent upon the processor model.							
Z800		192GB[1]	12	1GB	FX698AA, FX698UT	DRHZ600U/1GB	1
				2GB	FX699AA, FX699UT	DRHZ600U/2GB	1
[1] 24GB maximum using Unbuffered memory;				4GB	FX621AA, FX621UT	DRHZ800R/4GB	1
192GB using Registered memory.				8GB	FX622AA	DRHZ800R/8GB	1
See DDR3 Note #1 at top of ProLiant Servers section				16GB	NL674AA	DRHZ800RQ/16GB	1
xw4300		8GB	4	2GB	PV942A	DRHXW4306E/2GB	1[1]
[1] For best performance add DIMMs in matched pairs, and the total amount and type of memory installed in Channel A (slots 1 & 3) and Channel B (slots 2 & 4) should be the same. Mixing ECC and Non-ECC memory is not supported. HP's PV94xA and Dataram's DRHXW4306E . are ECC DDR2-667							
xw4400		8GB	4	2GB	PV942A	DRHXW4306E/2GB	1[1]
[1] For best performance add DIMMs in matched pairs, and the total amount and type of memory installed in Channel A (slots 1 & 3) and Channel B (slots 2 & 4) should be the same. Mixing ECC and Non-ECC memory is not supported. HP's PV94xA and Dataram's DRHXW4306E . are ECC DDR2-667							
xw4600		8GB	4	2GB	PV942A	DRHXW4306E/2GB	1[1]
				2GB	GH740AA	DRHXW4600/2GB	1[1]
[1] For best performance the total amount and type of memory loaded into Channel 1 and Channel 2 should be the same and should be loaded in pairs. Mixing ECC and Non-ECC memory is not supported. Mixing speeds will cause the system to run at the slower 667MHz. HP's PV942A and Dataram's DRHXW4306E/2GB are ECC DDR2-667. HP's GH740AA and Dataram's DRHXW4600/2GB are ECC DDR2-800.							
xw6000		8GB	4	4GB	(2x)AA834A	DRHXW6000/4096	2
xw6400		16GB	4	4GB	EM162AA	DRHXW8400/4GB	1
Except for a single DIMM in the 1st slot, DIMMs must be installed in matched pairs. Three DIMMs are not supported.							
xw6600		32GB	8	4GB	EM162AA	DRHXW8400/4GB	1[1]
DIMMs must be installed in matched pairs.							
xw8000		12GB	6	4GB	(2x)AA834A	DRHXW6000/4096	2
xw8200		16GB	8	2GB	PH201A	DRHXW8200/2GB	1
xw8400		32GB	8	4GB	EM162AA	DRHXW8400/4GB	1
Except for a single DIMM in the 1st slot, DIMMs must be installed in matched pairs. Three DIMMs are not supported.							
xw8600	without riser cards	32GB	8	4GB	EM162AA	DRHXW8400/4GB	1
	with riser cards	128GB	16	4GB	EM162AA	DRHXW8400/4GB	1
				8GB	GM112AA	DRHXW8600/8GB	1
DIMMs must be ordered and installed in matched pairs on the system board and in quads on the riser cards.							
xw9400		64GB	8[1]	2GB	Not offered by HP	DRHXW9400S/2GB	1
				4GB	EV284AA	DRHXW9400/4GB	1
				8GB	EV285AA	DRHXW9400/8GB	1
[1] 4 DIMM slots per processor socket. DIMMs must be ordered and installed in matched pairs.							

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FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
POWER SYSTEMS (System p, System i)							
pSeries 615	7029-6C3, 7029-6E3	16GB	8	4GB	4448, 4445	DRI615/4096	4
				8GB	4449	DRI615/8192	4
System p5 505/505Q	9115-505	32GB	8	2GB	1931	DRI550D2/2GB	2[1)]
				4GB	1932	DRI550D2/4GB	2[1)]
				8GB	1934	DRI550D2/8GB	2[1)]
[1)] DIMMs must be installed in matched groups of fours (quads) for best performance.							
System p5 510/510Q	9110-51A	32GB	8	2GB	1931	DRI550D2/2GB	2[1)]
				4GB	1932	DRI550D2/4GB	2[1)]
				8GB	1934	DRI550D2/8GB	2[1)]
[1)] DIMMs must be installed in matched groups of fours (quads) for best performance.							
eServer p5 510	9110-510	32GB	8[1)]	4GB	4448, 4445	DRI615/4096	4
				8GB	4449	DRI615/8192	4
[1)] System supports one IBM Processor Card containing 8 DIMM slots.				16GB	4450	DRI550/16GB	4
Power 520	9407-M15	16GB	4	8GB	4523	DRI520P6/8GB	2
Memory is added in pairs. All DIMMs must be of the same capacity.							
Power 520	9408-M25	32GB	4	8GB	4523	DRI520P6/8GB	2
				16GB	4524	DRI520P6/16GB	2
Memory is added in pairs. All DIMMs must be of the same capacity.							
Power 520	8203-E4A	64GB	8[1)]	8GB	4523	DRI520P6/8GB	2
				16GB	4524	DRI520P6/16GB	2
[1)] Models with one single-core processor use 4 DIMM slots, support 16GB maximum and cannot utilize 16GB kits. Models with one dual-core processor use 4 DIMM slots and support 32GB maximum. 4-core models use 8 DIMM slots, 64GB maximum. Models with two dual-core processors use 8 DIMM slots (4 per processor) and support 64GB maximum. All DIMMs per processor must be of the same capacity. For optimum performance balance the memory equally across both processors.							
Power 550	9409-M50	128GB	16[1)]	8GB	4523	DRI520P6/8GB	2
				16GB	4524	DRI520P6/16GB	2
[1)] Memory is installed on 1 or 2 processor cards, each having 8 DIMM slots. Memory is added in pairs. All DIMMs on a processor card must be the same capacity.							
Power 550	8204-E8A	256GB	32[1)]	8GB	4523	DRI520P6/8GB	2
				16GB	4524	DRI520P6/16GB	2
[1)] Memory is installed on 1 to 4 processor cards, each having 8 DIMM slots. DIMMs must be added in matched sets of 2, 4, or 8. a processor card must be the same capacity. Distribute memory evenly across all processor cards in the system for best performance.							
System p5 520/520Q	9131-52A	32GB	8	2GB	1931	DRI550D2/2GB	2[1)]
				4GB	1932	DRI550D2/4GB	2[1)]
				8GB	1934	DRI550D2/8GB	2[1)]
[1)] DIMMs must be installed in matched groups of fours (quads) for best performance.							
eServer p5 520	9111-520	32GB	8[1)]	4GB	4448, 4445	DRI615/4096	4
				8GB	4449	DRI615/8192	4
				16GB	4450	DRI550/16GB	4
[1)] System supports one IBM Processor Card containing 8 DIMM slots.							
System p5 550/550Q	9133-55A	64GB	16[1)]	2GB	1931	DRI550D2/2GB	2[2)]
				4GB	1932	DRI550D2/4GB	2[2)]
				8GB	1934	DRI550D2/8GB	2[2)]
[1)] System supports a maximum of 2 IBM Processor/Memory Cards. [2)] DIMMs must be installed in matched groups of fours (quads) for best performance.							
eServer p5 550	9113-550	64GB	16[1)]	4GB	4448, 4445	DRI615/4096	4
				8GB	4449	DRI615/8192	4
				16GB	4450	DRI550/16GB	4
[1)] System supports two IBM Processor Cards each containing 8 DIMM slots.							
System p5 560Q	9116-561	128GB	16[1)]	2GB	1931	DRI550D2/2GB	2[2)]
				4GB	1932	DRI550D2/4GB	2[2)]
				8GB	1934	DRI550D2/8GB	2[2)]
[1)] System features a 4U drawer as its basic building block and up to two drawers are supported in a single rack. Each drawer supports two IBM Processor/Memory Cards, each containing one or two processors and 8 DIMM slots. [2)] DIMMs must be installed in matched groups of fours (quads) for best performance.							
pSeries 630	7028-6C4, 7028-6E4	32GB	2[1)]	4GB	4453, 4490	DRI630/4096	4
				8GB	4454	DRI630/8192	4
[1)] Memory is installed on 1 or 2 processor cards, each supporting 1 or 2 processors. Each processor card contains 8 DIMM slots. DIMMs must be added in sets of 4 identical modules. For 4-way configurations memory should be balanced across both processor cards for the best performance.							
System p5 570	9117-570	512GB	64[1)]	8GB	7894	DRI575D2/8GB	4
(with POWER5+ Processors & DDR2 Memory)				16GB	4497	DRI570D2/16GB	4
[1)] Memory is installed on 2 or 8 IBM Processor Cards each containing 8 DDR2 DIMM slots. Balance memory across processors for best performance. [2)] 32GB kits are supported on 2.2GHz processor cards only & except for IBM's FC4499 cannot be mixed with any other capacity on the same card.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	eServer p5 570	9117-570	512GB	64[1)]	4GB	4490	DRI630/4096	4
	(with POWER5 Processors)				8GB	4454	DRI630/8192	4
					16GB	4491	DRI570/16GB	4
					32GB	4492	DRI570/32GB	4
	[1)] Memory is installed on 2 or 8 IBM Processor Cards each containing 8 DIMM slots.							
	DDR1 memory is supported on 1.5 GHz processor cards (#7834), 1.65 GHz processor cards (#7830), and 1.9 GHz processor cards (#7832).							
	DDR2 memory is supported on 1.9 GHz processor cards (#7833), 1.9 GHz processor card (#7782), and 2.2 GHz processor card (#8338).							
	The 4GB, 8GB, or 16GB memory kits cannot be used with the 32GB memory kit.							
	All DIMMs in a 570 system must use the same memory technology, either DDR1 or DDR2. IBM & Dataram options listed are DDR1 type memory.							
	System p5 575	9118-575	256GB	64	8GB	7894	DRI575D2/8GB	4
	(with POWER5+ Processors & DDR2 Memory)							
	eServer p5 575	9118-575	256GB	64	4GB	4490	DRI630/4096	4
	(with POWER5 Processors)				8GB	4454	DRI630/8192	4
					16GB	4491	DRI570/16GB	4
	All memory listed above is DDR1. The p5-575 with POWER5 processors uses DDR1 type DIMMs.							
	The p5-575 with POWER5+ processors uses DDR2 type DIMMs. Dataram does not offer DDR2 type memory for the p5 575.							
	pSeries 650	7038-6M2	64GB	4[1)]	4GB	4453, 4490	DRI630/4096	4
					8GB	4454	DRI630/8192	4
	[1)] Memory is installed on 1 to 4 processor cards, each supporting 1 or 2 processors. Each processor card contains 8 DIMM slots. DIMMs must be added in sets of 4 identical modules. Each processor card must have an equal amount of memory installed.							
NEW	***Power 750 Express***	***8233-E8B***	***512GB***	***32***	***8GB***	***4526***	***DRI750/8GB***	***2***
					16GB	***4527***	***DRI750/16GB***	***2***
					32GB	***4528***	***DRI750/32GB***	***2***
	Memory is installed on 1 to 4 processor cards, each having 8 DIMM slots. Valid configurations are 2, 4, or 8 identical capacity DIMMs on each card. Keeping the memory configurations identical across all cards provides best performance.							
NEW	***Power 755***	***8236-E8C***	***256GB***	***32***	***8GB***	***4526***	***DRI750/8GB***	***2***
					16GB	***4527***	***DRI750/16GB***	***2***
	The Power 755 comes standard with 4 processor cards, each having 8 DIMM slots. Valid configurations are 2, 4, or 8 identical capacity DIMMs on each card. Keeping the memory configurations identical across all cards provides best performance.							
	BLADES							
NEW	***BladeCenter PS700***	***8406***	***64GB***	***8***	***4GB***	***8208***	***DRI700PS/8GB***	***2***
NEW	***BladeCenter PS701***	***8406***	***128GB***	***16***	***4GB***	***8208***	***DRI700PS/8GB***	***2***
NEW	***BladeCenter PS702***	***8406***	***256GB***	***32***	***4GB***	***8208***	***DRI700PS/8GB***	***2***
	BladeCenter HS12	8014-xxx, 8028-xxx	24GB	6	8GB	46C0513	DRILS41-6/8GB	2
	BladeCenter HS20	8843-xxx	16GB	4	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	The server supports single- and dual-rank DIMMs. If using both types, the dual-rank DIMMs must be installed in slots 1 and 2.							
	The 2GB and 4GB upgrades contain single-rank DIMMs; the 8GB upgrade contains dual-rank DIMMs.							
	BladeCenter HS20	7981-xFU	16GB	4	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	The server supports single- and dual-rank DIMMs. If using both types, the dual-rank DIMMs must be installed in slots 1 and 2.							
	The 2GB and 4GB upgrades contain single-rank DIMMs; the 8GB upgrade contains dual-rank DIMMs.							
	BladeCenter HS21	8853-xxx	64GB[1)]	8	8GB	39M5797	DRIX3650/8GB	2
					16GB	46C7577	DRIX3650Q/16GB	2
					4GB	46C7419	DRIX3650LP/4GB	2
	DIMMs within a bank must be identical.				8GB	46C7420	DRIX3650LP/8GB	2
	[1)] Up to 64GB is achieved by populating all four DIMM slots with 4 x 8GB DIMMs and selecting the IBM BladeCenter Memory and I/O Expansion Blade (42C1600) which adds an additional four DIMM slots.							
	Dataram recommends updating to the latest BIOS version (V1.15 or later) for the support of 4R 8GB DIMMs (46C7577, DRIX3650Q/16GB) and Low-Power options (46C74xx, DRIX3650LP/xxx)							
	BladeCenter HS21	8864-xxx	32GB[1)]	4	8GB	39M5797	DRIX3650/8GB	2
	[1)] Up to 32GB is achieved by populating all four DIMM slots with 4 x 4GB DIMMs and selecting the IBM BladeCenter Memory and I/O Expansion Blade (42C1600) which adds an additional four DIMM slots.							
	BladeCenter HS21 XM	7995-xxx	64GB	8	8GB	39M5797	DRIX3650/8GB	2
					16GB	46C7577	DRIX3650Q/16GB	2
					4GB	46C7419	DRIX3650LP/4GB	2
	DIMMs within a bank must be identical.				8GB	46C7420	DRIX3650LP/8GB	2
	Dataram recommends updating to the latest BIOS version (V1.15 or later) for the support of 4R 8GB DIMMs (46C7577, DRIX3650Q/16GB) and Low-Power options (46C74xx, DRIX3650LP/xxx)							
NEW	BladeCenter HS22	7870	96GB	12	2GB	44T1487, 49Y1429	DRIHS22/2GB	1
					4GB	44T1488, 49Y1430	DRIHS22/4GB	1
					8GB	44T1579	DRIHS22/8GB	1
					8GB	46C7451, 49Y1431	DRIHS22-13/8GB	1
				(1.35V)	***2GB***	***46C0561***	***DRIHS22L/2GB***	***1***
				(1.35V)	***8GB***	***46C0569***	***DRIHS22L/8GB***	***1***
	Models with the Intel Xeon 5600 Series processor support low-power DIMMs that can operate at 1.35 V.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	BladeCenter HS22V	7871	144GB	18	2GB	44T1487, 49Y1429	DRIHS22/2GB	1
					4GB	44T1488, 49Y1430	DRIHS22/4GB	1
					8GB	46C7451, 49Y1431	DRIHS22-13/8GB	1
NEW				***(1.35V)***	***2GB***	***46C0561***	***DRIHS22L/2GB***	***1***
NEW				***(1.35V)***	***8GB***	***46C0569***	***DRIHS22L/8GB***	***1***
	Models with the Intel Xeon 5600 Series processor support low-power DIMMs that can operate at 1.35 V.							
NEW	***BladeCenter HX5***	***7872***	***128GB***	***16***	***4GB***	***44T1596***	***DRIHX5/4GB***	***1***
	Memory must be installed in pairs of identical DIMMs							
	BladeCenter JS12	7998-60X	64GB	8	8GB	8239	DRIJS12/8GB	2
	BladeCenter JS21	7988-xxx	16GB	4	4GB	8387, 41Y2715	DRIJS21-5/4GB	2
					8GB	8388, 41Y2723	DRIJS21-5/8GB	2
	BladeCenter JS21	8844-xxx	16GB	4	4GB[1)]	8387, 41Y2715	DRIJS21-5/4GB	2
					8GB[1)]	8388, 41Y2723	DRIJS21-5/8GB	2
	[1)] DDR2-533 [2)] DDR2-400				4GB[2)]	39M5815, 73P4792	DRIX346S/4GB	2
	BladeCenter JS22	7998-61X	32GB	4	8GB	8234	DRIJS22/8GB	2
					16GB	8235	DRIJS22/16GB	2
	BladeCenter JS23	7778-23X	64GB	8	8GB	8239	DRIJS12/8GB	2
	BladeCenter JS43	7778-23X	128GB	16	8GB	8239	DRIJS12/8GB	2
	BladeCenter LS21	7971-xxx	64GB	8	8GB	46C0513	DRIJS12/8GB	2
	BladeCenter LS41	7972-xxx	128GB[1)]	16	8GB	46C0513	DRILS41-6/8GB	2
	[1)] 16 slots, 128GB max with the optional multi-processor expansion (MPE) unit; otherwise 8 slots, 64GB max.							
	BladeCenter LS22	7901	64GB	8	8GB	46C7524	DRILS42-6/8GB	2
					8GB	46C7525	DRILS42-8/8GB	2
	BladeCenter LS42	7902	128GB[1)]	16	8GB	46C7524	DRILS42-6/8GB	2
					8GB	46C7525	DRILS42-8/8GB	2
	[1)] 16 slots, 128GB max with the optional multi-processor expansion (MPE) unit; otherwise 8 slots, 64GB max.							
	SYSTEM X (XSERIES) SERVERS							
	System x	6380, 7321, 7323	192GB	16	1GB	44T1480	DRIX1333R/1GB	1
	iDataplex dx360 M2				2GB	44T1481	DRIX1333RD/2GB	1
					2GB	44T1482	DRIX1333RS/2GB	1
					4GB	44T1483	DRIX1333R/4GB	1
					8GB	46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
NEW	***System x***	***6385, 6386, 6391***	192GB[1)]	16	2GB	49Y1433, 44T1481	DRIX1333RD/2GB	1
NEW	***iDataPlex dx360 M3***				2GB	49Y1434, 44T1482	DRIX1333RS/2GB	1
NEW					4GB	49Y1435, 44T1483	DRIX1333R/4GB	1
NEW	[1)] 192GB (12x16GB)				8GB	49Y1436, 46C7449	DRIX1333R/8GB	1
NEW					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
NEW				***(1.35V)***	***4GB***	***49Y1394***	***DRIX1333RL/4GB***	***1***
NEW				***(1.35V)***	***8GB***	***49Y1397***	***DRIX1333RL/8GB***	***1***
NEW				***(1.35V)***	***8GB***	***49Y1398***	***DRIX1066RL/8GB***	***1***
NEW	***Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.***							
	System x3200 M3	7327, 7328	32GB	6	2GB	44T1569	DRIX1333U/2GB	1
					1GB	44T1480	DRIX1333R/1GB	1
					2GB	44T1481	DRIX1333RD/2GB	1
					4GB	46C7448	DRIX1066RQ/4GB	1
					4GB	44T1599	DRIX1333R2/4GB	1
					8GB	46C7482	DRIX1066RQ/8GB	1
	The system supports either Unbuffered or Registered ECC memory. Do not mix the two types. Only 4 slots are available for use with Unbuffered DIMMs. Only 4 slots are available for use with Registered Quad-Rank DIMMs.							
	System x3250 M3	4251, 4252	32GB	6	2GB	44T1569	DRIX1333U/2GB	1
					1GB	44T1480	DRIX1333R/1GB	1
					2GB	44T1481	DRIX1333RD/2GB	1
					4GB	46C7448	DRIX1066RQ/4GB	1
					4GB	44T1599	DRIX1333R2/4GB	1
					8GB	46C7482	DRIX1066RQ/8GB	1
	The system supports either Unbuffered or Registered ECC memory. Do not mix the two types. Only 4 slots are available for use with Unbuffered DIMMs. Only 4 slots are available for use with Registered Quad-Rank DIMMs.							
	System x3400	7973-xxx, 7974-xxx	32GB	8	4GB	46C7419	DRIX3650LP/4GB	2
		7975-xxx, 7976-xxx			8GB	39M5797	DRIX3650/8GB	2
	DIMMs within a bank must be identical.				8GB	46C7420	DRIX3650LP/8GB	2
	IBM's 46C74xx and Dataram's DRIX3650LP/xxx are low-power options and may require a BIOS update.							
	System x3400 M2	7836, 7837	192GB	12	1GB	44T1480	DRIX1333R/1GB	1
					2GB	44T1481	DRIX1333RD/2GB	1
					2GB	44T1482	DRIX1333RS/2GB	1
					4GB	44T1483	DRIX1333R/4GB	1
					8GB	46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
NEW	***System x3400 M3***	***7378, 7379***	192GB[1)]	16	2GB	44T1569	DRIX1333U/2GB	1
					2GB	49Y1433, 44T1481	DRIX1333RD/2GB	1
					2GB	49Y1434, 44T1482	DRIX1333RS/2GB	1
	[1)] 48GB (12x4GB) maximum using Unbuffered memory;				4GB	49Y1435, 44T1483	DRIX1333R/4GB	1
	192GB (12x16GB) using Registered memory.				8GB	49Y1436, 46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
				(1.35V)	***4GB***	***49Y1394***	***DRIX1333RL/4GB***	***1***
				(1.35V)	***8GB***	***49Y1397***	***DRIX1333RL/8GB***	***1***
				(1.35V)	***8GB***	***49Y1398***	***DRIX1066RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	System x3450	7948-xBX, x2X, 54X, 56X, 58X	64GB	16	8GB	39M7597	DRIX3650/8GB	2
	System x3455	7984-xxx, 7986-xxx, 7940-xxx	48GB[1)]	12	8GB	41Y2768, 46C7538	DRIX3755/8GB	2
	[1)] Dual-processor models support up to 48GB; single processor models support up to 24GB							
	System x3500	7977-xxx	48GB	12	4GB	46C7419	DRIX3650LP/4GB	2
					8GB	39M5797	DRIX3650/8GB	2
	DIMMs within a bank must be identical.				8GB	46C7420	DRIX3650LP/8GB	2
	IBM's 46C74xx and Dataram's DRIX3650LP/xxx are low-power options and may require a BIOS update.							
	System x3500 M2	7839	192GB	12	1GB	44T1480	DRIX1333R/1GB	1
					2GB	44T1481	DRIX1333RD/2GB	1
					2GB	44T1482	DRIX1333RS/2GB	1
					4GB	44T1483	DRIX1333R/4GB	1
					8GB	46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
NEW	***System x3500 M3***	***7380***	192GB[1)]	16	2GB	44T1569	DRIX1333U/2GB	1
					2GB	49Y1433, 44T1481	DRIX1333RD/2GB	1
					2GB	49Y1434, 44T1482	DRIX1333RS/2GB	1
	[1)] 48GB (12x4GB) maximum using Unbuffered memory;				4GB	49Y1435, 44T1483	DRIX1333R/4GB	1
	192GB (12x16GB) using Registered memory.				8GB	49Y1436, 46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
				(1.35V)	***4GB***	***49Y1394***	***DRIX1333RL/4GB***	***1***
				(1.35V)	***8GB***	***49Y1397***	***DRIX1333RL/8GB***	***1***
				(1.35V)	***8GB***	***49Y1398***	***DRIX1066RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	System x3550	7978-xxx	32GB	8	4GB	46C7419	DRIX3650LP/4GB	2
					8GB	39M5797	DRIX3650/8GB	2
	DIMMs within a bank must be identical.				8GB	46C7420	DRIX3650LP/8GB	2
	IBM's 46C74xx and Dataram's DRIX3650LP/xxx are low-power options and may require a BIOS update.							
	System x3550 M2	7946	192GB	16	1GB	44T1480	DRIX1333R/1GB	1
					2GB	44T1481	DRIX1333RD/2GB	1
					2GB	44T1482	DRIX1333RS/2GB	1
					4GB	44T1483	DRIX1333R/4GB	1
					8GB	46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
NEW	***System x3550 M3 R2***	***7944***	192GB[1)]	18	2GB	49Y1433, 44T1481	DRIX1333RD/2GB	1
					2GB	49Y1434, 44T1482	DRIX1333RS/2GB	1
	[1)] 192GB (12x16GB)				4GB	49Y1435, 44T1483	DRIX1333R/4GB	1
					8GB	49Y1436, 46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
				(1.35V)	***4GB***	***49Y1394***	***DRIX1333RL/4GB***	***1***
				(1.35V)	***8GB***	***49Y1397***	***DRIX1333RL/8GB***	***1***
				(1.35V)	***8GB***	***49Y1398***	***DRIX1066RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
NEW	***System x3620 M3***	***7376***	***96GB***	***12***	***2GB***	***49Y1434***	***DRIX1333RS/2GB***	***1***
					2GB	***49Y1433***	***DRIX1333RD/2GB***	***1***
					4GB	***49Y1435***	***DRIX1333R/4GB***	***1***
					8GB	***49Y1436***	***DRIX1333R/8GB***	***1***
				(1.35V)	***4GB***	***49Y1394***	***DRIX1333RL/4GB***	***1***
				(1.35V)	***8GB***	***49Y1397***	***DRIX1333RL/8GB***	***1***
				(1.35V)	***8GB***	***49Y1398***	***DRIX1066RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	System x3650	7979-xxx	48GB	12	4GB	46C7419	DRIX3650LP/4GB	2
					8GB	39M5797	DRIX3650/8GB	2
	DIMMs within a bank must be identical.				8GB	46C7420	DRIX3650LP/8GB	2
	IBM's 46C74xx and Dataram's DRIX3650LP/xxx are low-power options and may require a BIOS update.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	System x3650 T	7980-xxx	16GB	6	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	The server supports single- and dual-rank DIMMs. If using both types, the dual-rank DIMMs must be installed first and are not supported in slots 5-6. No more than the equivalent of eight ranks is permitted. The 2GB and 4GB upgrades are single-rank; 8GB is dual-rank.							
	System x3650 M2	7947	192GB	16	1GB	44T1480	DRIX1333R/1GB	1
					2GB	44T1481	DRIX1333RD/2GB	1
					2GB	44T1482	DRIX1333RS/2GB	1
					4GB	44T1483	DRIX1333R/4GB	1
					8GB	46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
NEW	***System x3650 M3***	***7945***	192GB[1]	18	2GB	44T1569	DRIX1333U/2GB	1
					2GB	49Y1433, 44T1481	DRIX1333RD/2GB	1
					2GB	49Y1434, 44T1482	DRIX1333RS/2GB	1
	[1] 48GB (12x4GB) maximum using Unbuffered memory; 192GB (12x16GB) using Registered memory.				4GB	49Y1435, 44T1483	DRIX1333R/4GB	1
					8GB	49Y1436, 46C7449	DRIX1333R/8GB	1
					16GB	Not Offered by IBM	DRIX1066RQ/16GB	1
				(1.35V)	***4GB***	***49Y1394***	***DRIX1333RL/4GB***	***1***
				(1.35V)	***8GB***	***49Y1397***	***DRIX1333RL/8GB***	***1***
				(1.35V)	***8GB***	***49Y1398***	***DRIX1066RL/8GB***	***1***
	Low-voltage DIMMs (1.35V) will only operate at 1.35V if used in models with Intel Xeon 5600 Series CPUs and not mixed with standard-voltage DIMMs (1.5V). Consult your owners manual or Dataram Technical Support for assistance.							
	System x3655	7985-xxx, 7943-xxx	64GB[1]	16	8GB	41Y2768, 46C7538	DRIX3755/8GB	2
	[1] Dual-processor models support up to 64GB; single processor models support up to 32GB							
NEW	***System x3690 X5***	***7148***	***512GB***	***32[1]***	***2GB***	***44T1481***	***DRIX1333RD/2GB***	***1***
					4GB	***46C7448***	***DRIX1066RQ/4GB***	***1***
	[1] The servers support 1 or 2 IBM Memory Expansion Cards (60Y0323), each containing 16 DIMM slots.				***8GB***	***46C7482***	***DRIX1066RQ/8GB***	***1***
					16GB	***46C7483***	***DRIX1066RQ/16GB***	***1***
	System x3755	8877-xxx, 7163-xxx	256GB	32[1]	8GB	41Y2768, 46C7538	DRIX3755/8GB	2
					16GB	Not Offered by IBM	DRIX3755/16GB	2
	[1] The system supports 1 to 4 IBM Processor Cards each having 8 DIMM slots.							
	System x3800	8865-xxx	64GB	16[1]	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	[1] Memory is installed on two to four IBM Memory Cards (13M7409), each containing four DIMM slots. One Card is standard.							
	System x3800	8866-xxx	64GB	16[1]	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	[1] Memory is installed on two to four IBM Memory Cards (41Y5000), each containing four DIMM slots. One or two cards are standard.							
	System x3850	8863-xxx, 8864-xxx	64GB	16[1]	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	[1] Memory is installed on two to four IBM Memory Cards (13M7409 or 41Y5000), each containing four DIMM slots. One or two cards are standard.							
	System x3850 M2	7141-xxx, 7233-xxx	256GB	32[1]	4GB	41Y2771	DRIX3755S/4GB	2
					8GB	41Y2768, 46C7538	DRIX3755/8GB	2
					16GB	43V7356	DRIX3755/16GB	2
	[1] Memory is installed on two to four IBM Memory Cards (44E4252), each containing eight DIMM slots. One or two cards are standard.							
	System x3850 X5, System x3950 X5	7145	1TB	64[1]	1GB	44T1480	DRIX1333R/1GB	1
					2GB	44T1481	DRIX1333RD/2GB	1
					4GB	46C7448	DRIX1066RQ/4GB	1
	[1] The servers support 1 to 8 IBM Memory Expansion Cards (46M0071), each containing 8 DIMM slots.				8GB	46C7482	DRIX1066RQ/8GB	1
					16GB	46C7483	DRIX1066RQ/16GB	1
	System x3950	8872-xxx, 8874-xxx, 8878-xxx	64GB	16[1]	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	[1] Memory is installed on two to four IBM Memory Cards (13M7409or 41Y5000), each containing four DIMM slots. Two Cards are standard.							
	System x3950 M2	7141-xxx, 7233-xxx	256GB	32[1]	4GB	41Y2771	DRIX3755S/4GB	2
					8GB	41Y2768, 46C7538	DRIX3755/8GB	2
					16GB	43V7356	DRIX3755/16GB	2
	[1] Memory is installed on two to four IBM Memory Cards (44E4252), each containing eight DIMM slots. One or two cards are standard.							
	xSeries 226	8648-xxx, 8848-xxx	16GB	6	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	The server supports single- and dual-rank DIMMs. Dual-rank DIMMs must be installed in slots 1 and 2 and are not supported in slots 3-6. 16GB must be configured as 2 x 4GB and 4 x 2GB DIMMs.							
	xSeries 236	8841-xxx	16GB	8	4GB	39M5815, 73P4792	DRIX346S/4GB	2
	The server supports single- and dual-rank DIMMs. If using both types, the dual-rank DIMMs must be installed first and are not supported in slots 5-8. No more than the equivalent of eight ranks is permitted. All upgrades listed are single-rank.							
	xSeries 260	8865-xxx	64GB	16[1]	4GB	39M5815, 73P4792	DRIX346S/4GB	2
					8GB	30R5145	DRIX346D/8GB	2
	[1] Memory is installed on two to four IBM Memory Cards (13M7409), each containing four DIMM slots. One Card is standard.							
	xSeries 336	8837-xxx	16GB	8	4GB	39M5815, 73P4792	DRIX346S/4GB	2
	The server supports single- and dual-rank DIMMs. If using both types, the dual-rank DIMMs must be installed first and are not supported in slots 5-8. No more than the equivalent of eight ranks is permitted. All upgrades listed are single-rank.							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
xSeries 346	8840-xxx	16GB	8	4GB	39M5815, 73P4792	DRIX346S/4GB	2
The server supports single- and dual-rank DIMMs. If using both types, the dual-rank DIMMs must be installed first and are not supported in slots 5-8. No more than the equivalent of eight ranks is permitted. All upgrades listed are single-rank.							
xSeries 366	8863-xxx	64GB	16[1)]	4GB	39M5815, 73P4792	DRIX346S/4GB	2
				8GB	30R5145	DRIX346D/8GB	2
[1)] Memory is installed on two to four IBM Memory Cards (13M7409), each containing four DIMM slots. One Card is standard.							
xSeries 460	8872-xxx, 8874-xxx	64GB	16[1)]	4GB	39M5815, 73P4792	DRIX346S/4GB	2
				8GB	30R5145	DRIX346D/8GB	2
[1)] Memory is installed on two to four IBM Memory Cards (13M7409), each containing four DIMM slots. Two Cards are standard.							
INTELLISTATION PRO AND POWER WORKSTATIONS							
IntelliStation Z Pro	9228-xxx	32GB	8	8GB	39M5797	DRIX3650/8GB	2
IntelliStation Z Pro	6223-xxx	16GB[1)]	6	4GB	39M5815, 73P4792	DRIX346S/4GB	2
[1)] Except for a single DIMM in the 1st slot, odd numbered DIMMs are not supported. DIMMs must be installed in matched pairs. If mixing single- and dual-rank DIMM pairs, the dual-rank DIMMs must be installed in slots 1 and 2. No more than the equivalent of eight ranks are supported.							
IntelliStation POWER 275	9114-275	16GB	8	4GB	4448, 4445	DRI615/4096	4
				8GB	4449	DRI615/8192	4
IntelliStation POWER 285 Express	9111-285	32GB	8	2GB	1931	DRI550D2/2GB	2[1)]
				4GB	1932	DRI550D2/4GB	2[1)]
				8GB	1934	DRI550D2/8GB	2[1)]
[1)] DIMMs must be installed in matched groups of fours (quads) for best performance.							

SUN

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X64 SERVERS

DDR3 Note #1: For Sun systems with 12 DIMM slots:
Systems feature 1 or 2 processors each controlling 3 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.

DDR3 Note #2: For Sun systems with 18 DIMM slots:
Systems feature 1 or 2 processors each controlling 3 memory "channels" of 3 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration. For ILOM software version release 2 or later: 1 or 2 single- or dual-rank 2GB or 4GB DIMMs per channel enables memory speed of 1333MHz ; 2 8GB DIMMs per channel enables speed of 1066MHz; 3 DIMMs per channel reduces speed to 800MHz for single or dual-rank DIMMs; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel & 800MHz with 2 DIMMs per channel; 3 quad-rank DIMMs are not supported.

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
Sun Fire X2100 M2		8GB	4	4GB	X5279A-Z	DRSX2100M2/4GB	2
Sun Fire X2100		8GB	4	4GB	X4211A-Z	DRSU20E/4GB	2[1]
[1] Except for a single DIMM in the first slot (model 146), DIMMs must be installed in matched pairs. Three DIMMs is not a valid configuration. Dataram's DRSU20E/4GB is PC2700 333MHz; Sun's X4211A-Z is PC2100 266MHz.							
Sun Fire X2200 M2		128GB	16[1]	4GB	X5288A-C	DRSX2200M2S/4GB	2
				8GB	X4063A-Z	DRSX2200M2/8GB	2
				16GB	Not Offered by Sun	DRSX2200M2/16GB	2
[1] 8 DIMM slots per processor. When more than 4 DIMMs are configured per CPU, the memory is clocked down to 533MHz.							
Sun Fire X2250		64GB	8	8GB	X6382A	DRSX4450/8GB	2
				16GB	Not Offered by Sun - 4R	DRSX4450Q/16GB	2
				16GB	Not Offered by Sun - 2R	DRSX4450/16GB	2
Sun Fire X2270		96GB	12	2GB	X8335A	DRSX2270-10/2GB	1
				2GB	X8337A	DRSX2270-13/2GB	1
				4GB	X8338A	DRSX2270-13/4GB	1
				8GB	X8336A	DRSX2270-10/8GB	1
				8GB	Not Offered by Sun	DRSX2270-13/8GB	1
See DDR3 Note #1 at top of Sun x64 Servers section							
NEW	***Sun Fire X2270 M2***	***96GB***	***12***	***4GB***	***X8360A***	***DRSX2270-13/4GB***	***1***
				8GB	***X8359A***	***DRSX2270-10/8GB***	***1***
				8GB	***Not Offered by Sun***	***DRSX2270-13/8GB***	***1***
	See DDR3 Note #1 at top of Sun x64 Servers section						
Sun Fire X4100		32GB[1]	8	4GB	X8023A, X8023A-Z	DRSX4100/4GB	2
				8GB	Not Offered by Sun	DRSX4102/8GB	2
[1] 16GB maximum for single processor models. 4 DIMM slots per processor.							
Sun Fire X4100 M2		64GB[1]	8	4GB	X4226A-C	DRSX4200M2S/4GB	2
				8GB	X4227A-Z, X4233A	DRSX4200M2/8GB	2
				16GB	Not Offered by Sun	DRSX4200M2/16GB	2
[1] 32GB maximum for single processor models. 4 DIMM slots per processor.							
Sun Fire X4140		128GB[1]	16	8GB	X6322A	DRSX4440/8GB	2
				16GB	X4287A	DRSX4440/16GB	2
[1] 64GB maximum for single processor models. 8 DIMM slots per processor.							
Sun Fire X4150		64GB	16	8GB	X6382A	DRSX4450/8GB	2
Sun Fire X4170, X4270, X4275		192GB	18	2GB[1]	Not Offered by Sun	DRSX1066R2/2GB	1
				2GB[1]	Not Offered by Sun	DRSX1333R2/2GB	1
				2GB	X5866A	DRSX1066R/2GB	1
				2GB	X5869A	DRSX1333R/2GB	1
				4GB	X5867A	DRSX1066R/4GB	1
				4GB	X5870A	DRSX1333R/4GB	1
				8GB	X5868A	DRSX1066R/8GB	1
				8GB	Not Offered by Sun	DRSX1333R/8GB	1
				16GB	Not Offered by Sun	DRSX1066RQ/16GB	1
[1] Cost-effective, dual-rank offerings based on x8 DRAMs; Enhanced ECC (Chipkill) supported only in Lock-Step mode. See DDR3 Note #2 at top of Sun x64 Servers section							
NEW	***Sun Fire X4170 M2, X4270 M2***	***144GB***	***18***	***4GB***	***X4850A, X5870A***	***DRSX1333R/4GB***	***1***
				8GB	***X4851A, X5868A***	***DRSX1066R/8GB***	***1***
	72GB maximum for single processor models. 9 DIMM slots per processor.						
	See DDR3 Note #2 at top of Sun x64 Servers section						
Sun Fire X4200		32GB[1]	8	4GB	X8023A, X8023A-Z	DRSX4100/4GB	2
				8GB	Not Offered by Sun	DRSX4102/8GB	2
[1] 16GB maximum for single processor models. 4 DIMM slots per processor.							
Sun Fire X4200 M2		64GB[1]	8	4GB	X4226A-C	DRSX4200M2S/4GB	2
				8GB	X4227A-Z, X4233A	DRSX4200M2/8GB	2
				16GB	Not Offered by Sun	DRSX4200M2/16GB	2
[1] 32GB maximum for single processor models. 4 DIMM slots per processor.							
Sun Fire X4240		128GB[1]	16	8GB	X6322A	DRSX4440/8GB	2
				16GB	X4287A	DRSX4440/16GB	2
[1] 64GB maximum for single processor models. 8 DIMM slots per processor.							
Sun Fire X4250		64GB	16	8GB	X6382A	DRSX4450/8GB	2

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
Sun Fire X4440		256GB[1]	32	8GB	X6322A	DRSX4440/8GB	2
				16GB	X4287A	DRSX4440/16GB	2
[1] 64GB maximum for single processor models. 8 DIMM slots per processor.							
Sun Fire X4450		256GB	32	8GB	X6382A	DRSX4450/8GB	2
Sun Fire X4540		64GB	16[1]	16GB	X8356A	DRSX4600M2/16GB	2
[1] 8 DIMM slots per processor.							
Sun Fire X4600 M2	4-DIMM CPU Card	128GB	32[1]	4GB	X8123A-C-Z	DRSX4600M2S/4GB	2
				8GB	X8124A-Z, X8098A	DRSX4600M2/8GB	2
Sun Fire X4600 M2	8-DIMM CPU Card	512GB	64[2]	4GB	X8123A-C-Z	DRSX4600M2S/4GB	2
				8GB	X8124A-Z, X8098A	DRSX4600M2/8GB	2
				16GB	X8356A	DRSX4600M2/16GB	2
[1] The system supports 1 to 8 CPU/Memory Cards each having 4 DIMM slots.							
[2] The system supports 1 to 8 CPU/Memory Cards each having 8 DIMM slots. DIMMs must be installed in matched sets of four.							
Sun Fire X4640		512GB	64[1]	8GB	X8124A-Z, X8098A	DRSX4600M2/8GB	2
				16GB	X8356A	DRSX4600M2/16GB	2
[1] The system supports 1 to 8 CPU/Memory Cards each having 8 DIMM slots.							
ENTRY LEVEL SPARC SERVERS							
Sun Fire V125		8GB	4	2GB	X7704A-4	DRS243/2GB	2
				4GB	X7711A-4	DRS243/4GB	2
Sun Fire V210		16GB[1]	8	2GB[2]	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB[2]	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
				4GB	X7711A-4	DRS243/4GB	2
[1] 8GB with single processor models. 4 DIMM slots per processor.							
[2] The use of the 2GB or 4GB upgrades requires Sun Fan Upgrade Kit (X7418A) in older systems. Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Sun Fire V215		16GB	8[1]	2GB	X8704A	DRSU45/2GB	2
[1] 4 DIMM slots per processor				4GB	X8711A	DRSU45/4GB	2
Sun Fire V240		16GB[1]	8	2GB	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
[1] 8GB with single processor models. 4 DIMM slots per processor.				4GB	X7711A-4	DRS243/4GB	2
Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Sun Fire V245		16GB	8[1]	2GB	X8704A	DRSU45/2GB	2
[1] 4 DIMM slots per processor				4GB	X8711A	DRSU45/4GB	2
Sun Fire V250	1.06GHz, 1.28GHz	16GB	8[1]	2GB	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
				4GB	Not Offered by Sun	DRS243/4GB	2
[1] Four dedicated DIMM sockets per processor, arranged as two banks of two. In a single processor configuration all four DIMMs should be identical to allow for interleaving between banks and best performance. In a dual processor configuration all eight DIMMs should be identical. Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Sun Fire 280R		16GB	8	2GB	X7051A, X7062A	DRS280/2048	4
				4GB	X7063A	DRSB2000A/4096	4
				8GB	Not Offered by Sun	DRS280B/8192	4
Sun Fire V440	1.06GHz, 1.28GHz	32GB	16[1]	2GB	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
				4GB	X7711A-4	DRS243/4GB	2
[1] Memory is installed on one to four CPU/Memory Cards, each containing one processor and four DIMM slots. Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Sun Fire V445		32GB	16[1]	2GB	X8704A	DRSU45/2GB	2
[1] 4 DIMM slots per processor				4GB	X8711A	DRSU45/4GB	2
COOLTHREADS SERVERS							
Sun Fire T1000		32GB	8	4GB	SEKX2C1Z, X7802A	DRST2000/4GB	2[1]
				8GB	SEKX2D1Z, X7803A	DRST2000/8GB	2[1]
[1] Memory must be installed in groups of 4 matched DIMMs. Valid configurations are 4 or 8 matched DIMMs.							
Sun Fire T2000		64GB	16	4GB	SEKX2C1Z, X7802A	DRST2000/4GB	2[1]
				8GB	SEKX2D1Z, X7803A	DRST2000/8GB	2[1]
[1] Memory must be installed in groups of 8 matched DIMMs. Valid configurations are 8 or 16 matched DIMMs.							
MIDRANGE SERVERS							
Sun Fire V480		64GB[1]	2[2]	2GB	X7051A, X7051A-Z	DRS280/2048	4
				4GB	X7056A, X7056A-Z	DRS280/4096	4
				8GB	Not Offered	DRS880/8192	4
[1] Requires OBP 4.13.2 and POST 4.13.0 versions or greater for configurations exceeding 24GB per CPU/Memory Card.							
[2] One or two CPU/Memory Cards can be installed, each supporting two CPUs and 16 DIMM slots (4 banks of 4).							
Sun Fire V490		64GB	2[1]	2GB	X7051A, X7051A-Z	DRS280/2048	4
				4GB	X7056A, X7056A-Z	DRS280/4096	4
				8GB	Not Offered	DRS880/8192	4
[1] One or two CPU/Memory Cards can be installed, each supporting two CPUs and 16 DIMM slots (4 banks of 4).							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
Sun Fire V880z		96GB[1]	3[2]	2GB	X7051A, X7051A-Z	DRS280/2048	4
				4GB	X7056A, X7056A-Z	DRS280/4096	4
				8GB	Not Offered	DRS880/8192	4
[1] Requires OBP 4.13.2 and POST 4.13.0 versions or greater for configurations exceeding 24GB per CPU/Memory Card.							
[2] One to three CPU/Memory Cards can be installed, each supporting two CPUs and 16 DIMM slots (4 banks of 4).							
Sun Fire V880		128GB[1]	4[2]	2GB	X7051A, X7051A-Z	DRS280/2048	4
				4GB	X7056A, X7056A-Z	DRS280/4096	4
				8GB	Not Offered	DRS880/8192	4
[1] Requires OBP 4.13.2 and POST 4.13.0 versions or greater for configurations exceeding 24GB per CPU/Memory Card.							
[2] One to four CPU/Memory Cards can be installed, each supporting two CPUs and 16 DIMM slots (4 banks of 4).							
Sun Fire V890		128GB	4[1]	2GB	X7051A, X7051A-Z	DRS280/2048	4
				4GB	X7056A, X7056A-Z	DRS280/4096	4
				8GB	X7058A-Z	DRS880/8192	4
[1] One to four CPU/Memory Cards can be installed, each supporting two CPUs and 16 DIMM slots (4 banks of 4).							
Sun Fire V1280	900MHz, 1.2GHz	96GB	3[1]	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
				8GB	X7058A-Z	DRS880/8192	4
[1] Up to three CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU. Fill both banks per CPU before moving to the next.							
Sun Fire E2900		192GB	3[1]	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
				8GB	X7058A-Z	DRS880/8192	4
[1] Up to three CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU.							
Sun Fire 3800	900MHz, 1.05GHz, 1.2GHz	128GB	2[1]	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
				8GB	Not Offered	DRS880/8192	4
[1] Up to two CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU. Fill both banks per CPU before moving to the next.							
Sun Fire E4900		192GB	3[1]	2GB	X7051A, X7051A-Z	DRS280/2048	4
				4GB	X7056A, X7056A-Z	DRS280/4096	4
				8GB	X7058A-Z	DRS880/8192	4
[1] Up to three CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU.							
Sun Fire 4800, 4810	900MHz, 1.05GHz, 1.2GHz	192GB	3[1]	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
				8GB	Not Offered	DRS880/8192	4
[1] Up to three CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU. Fill both banks per CPU before moving to the next.							
Sun Fire E6900		384GB	6[1]	2GB	X7051A, X7051A-Z	DRS280/2048	4
				4GB	X7056A, X7056A-Z	DRS280/4096	4
				8GB	X7058A-Z	DRS880/8192	4
[1] Up to six CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU.							
Sun Fire 6800	900MHz, 1.05GHz, 1.2GHz	384GB	6[1]	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
				8GB	Not Offered	DRS880/8192	4
[1] Up to six CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU. Fill both banks per CPU before moving to the next.							
SPARC ENTERPRISE SERVERS							
SPARC Enterprise T1000		32GB	8	4GB	SEKX2C1Z, X7802A	DRST2000/4GB	2[1]
				8GB	SEKX2D1Z, X7803A	DRST2000/8GB	2[1]
[1] Memory must be installed in groups of 4 matched DIMMs. Valid configurations are 4 or 8 matched DIMMs.							
SPARC Enterprise T2000		64GB	16	4GB	SEKX2C1Z, X7802A	DRST2000/4GB	2[1]
				8GB	SEKX2D1Z, X7803A	DRST2000/8GB	2[1]
[1] Memory must be installed in groups of 8 matched DIMMs. Valid configurations are 8 or 16 matched DIMMs.							
SPARC Enterprise T5120, T5220		128GB	16	8GB	SESX2C1Z, X4204A	DRST5220/8GB	2
				16GB	SESX2D1Z, X4290AF	DRST5440/16GB	2
Valid configurations are 4, 8 or 16 DIMMs of the same capacity only.							
SPARC Enterprise T5140		128GB	16	8GB	SESX2C1Z, X4204A	DRST5220/8GB	2
				16GB	SESX2D1Z, X4290AF	DRST5440/16GB	2
With System Firmware 7.1.6.d or higher, either 1.8V FB-DIMMs (SESX2x1Z, DRST5220, DRST5440) or low voltage (LV) 1.5V FB-DIMMs (SESX2x3Z, DRTS5440LV) are supported. All FB-DIMMs must be the same voltage. If you upgrade to LV 1.5V FB-DIMMs, you must replace all FB-DIMMs. Valid configurations are 8, 12 or 16 DIMMs of the same capacity only.							
SPARC Enterprise T5240		256GB[1]	32[1]	8GB	SESX2C1Z, X4204A	DRST5220/8GB	2
				16GB	SESX2D1Z, X4290AF	DRST5440/16GB	2
With System Firmware 7.1.6.d or higher, either 1.8V FB-DIMMs (SESX2x1Z, DRST5220, DRST5440) or low voltage (LV) 1.5V FB-DIMMs (SESX2x3Z, DRTS5440LV) are supported. All FB-DIMMs must be the same voltage. If you upgrade to LV 1.5V FB-DIMMs, you must replace all FB-DIMMs. [1] 256GB with optional Sun Mezzanine Kit. 16 slots on system board; 16 slots on Mezzanine. Valid configurations are 8, 16 or 32 DIMMs of the same capacity only. All 16 slots on Mezzanine must be populated.							

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
SPARC Enterprise T5440		512GB	64[1]	4GB	SESX2B2Z, X4203AF	DRST5440/4GB	2
				8GB	SESX2C1Z, X4204A	DRST5220/8GB	2
				16GB	SESX2D1Z, X4290AF	DRST5440/16GB	2
1, 2 or 4 CPU Modules (CMP's) can be installed, each having 4 FB-DIMM slots. 1, 2 or 4 Memory Modules may be installed, each having 12 FB-DIMM slots. Each CMP is paired with a Mem. Mod. All FB-DIMMs in the system must be the same capacity. Each CMP/Mem. Mod. pair supports 3 possible configurations: 4 FB-DIMMs (on the CMP), 8 FB-DIMMs (4 on the CMP, 4 on the Mem. Mod.), or 16 FB-DIMMs (4 on the CMP, 12 on the Mem. Mod.).							
SPARC Enterprise M3000		64GB	8[1]	8GB	SEWX2B2Z	DRSM3000S/8GB	4
				16GB	SEWX2C1Z, SEWX2C2Z-N	DRSM3000/16GB	4
				32GB	SEWX2D1Z, SEWX2D2Z-N	DRSM3000/32GB	4
[1] The 8 DIMM slots are arranged in two groups--"A" and "B". The DIMMs in group "A" must be equal or greater than those in group "B".							
SPARC Enterprise M4000		256GB	4[1]	16GB	SELX2B2Z	DRSM5000S/16GB	1[1]
				32GB	SELX2C1Z	DRSM5000/32GB	1[1]
				64GB	SELX2D1Z	DRSM5000/64GB	1[1]
				16GB	Sun does not offer	DRSM5000DS/16GB	8[2]
				32GB	Sun does not offer	DRSM5000D/32GB	8[2]
				64GB	Sun does not offer	DRSM5000D/64GB	8[2]
[1] The M4000 supports 2 to 4 Memory Cards, each containing 8 DIMM sockets. Sun's SELX2x1Z and Dataram's DRSM5000/xxGB are Memory Cards with 8 DIMMs installed. [2] Dataram's DRSM5000D/xxGB contain 8 DIMMs only & are meant to replace DIMMs of smaller capacity on existing Memory Cards. Configuration rules should be considered prior to changing system memory. Consult your system's service manual or Dataram's Sales/Customer Support.							
SPARC Enterprise M5000		512GB	8[1]	16GB	SELX2B2Z	DRSM5000S/16GB	1[1]
				32GB	SELX2C1Z	DRSM5000/32GB	1[1]
				64GB	SELX2D1Z	DRSM5000/64GB	1[1]
				16GB	Sun does not offer	DRSM5000DS/16GB	8[2]
				32GB	Sun does not offer	DRSM5000D/32GB	8[2]
				64GB	Sun does not offer	DRSM5000D/64GB	8[2]
[1] The M5000 supports 2 to 8 Memory Cards, each containing 8 DIMM sockets. Sun's SELX2x1Z and Dataram's DRSM5000/xxGB are Memory Cards with 8 DIMMs installed. [2] Dataram's DRSM5000D/xxGB contain 8 DIMMs only & are meant to replace DIMMs of smaller capacity on existing Memory Cards. Configuration rules should be considered prior to changing system memory. Consult your system's service manual or Dataram's Sales/Customer Support.							
SPARC Enterprise M8000		1TB	128[1]	64GB	SEMX2C1Z	DRSM8000/64GB	16[1]
				128GB	SEMX2D1Z	DRSM8000/128GB	16[1]
[1] The M8000 supports up to 4 CMUs, each containing 32 DIMM sockets (8 per CPU).							
SPARC Enterprise M9000-32		2TB	256[1]	64GB	SEMX2C1Z	DRSM8000/64GB	16[1]
				128GB	SEMX2D1Z	DRSM8000/128GB	16[1]
[1] The M9000 with 32 processors supports up to 8 CMUs, each containing 32 DIMM sockets (8 per CPU).							
SPARC Enterprise M9000-64		4TB	512[1]	64GB	SEMX2C1Z	DRSM8000/64GB	16[1]
				128GB	SEMX2D1Z	DRSM8000/128GB	16[1]
[1] The M9000 with 64 processors supports up to 16 CMUs, each containing 32 DIMM sockets (8 per CPU).							
CARRIER-GRADE SERVERS							
Netra 210		16GB[1]	8	2GB[2]	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB[2]	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
				4GB	X7711A-4	DRS243/4GB	2
[1] 8GB with single processor models. 4 DIMM slots per processor. [2] The use of the 2GB or 4GB upgrades requires Sun Fan Upgrade Kit (X7418A) in older systems. Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Netra 240		16GB	8	2GB	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB	Not Offered by Sun	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
				4GB	Not Offered by Sun	DRS243/4GB	2
Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Netra 20	1750, 2750, 1900, 2900	8GB	8	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
Netra 440		32GB	16[1]	2GB	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
				4GB	X7711A-4	DRS243/4GB	2
[1] Memory is installed on one to four CPU/Memory Cards, each containing one processor and four DIMM slots. Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Netra 1280		96GB	3[1]	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
[1] Up to three CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU. Fill both banks per CPU before moving to the next.							
Netra 1290		192GB	3[1]	2GB	X7051A	DRS280/2048	4
				4GB	X7056A	DRS280/4096	4
				8GB	X7058A-Z	DRS880/8192	4
[1] Up to three CPU/Memory cards can be installed. Each card supports two or four CPUs and 32 DIMM slots (8 banks of 4). Each CPU controls two banks. DIMMs can only be installed where there is a corresponding CPU. Fill both banks per CPU before moving to the next.							

	FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
	Netra X4200 M2		32GB[1]	8	4GB	X4226A-C	DRSX4200M2S/4GB	2
					8GB	X4227A-Z, X4233A	DRSX4200M2/8GB	2
	[1] 16GB maximum for single processor models. 4 DIMM slots per processor.							
	Netra X4250		128GB[1]	16	8GB	X6382A	DRSX4450/8GB	2
	[1] 128GB maximum when 8GB FB-DIMMs are available.							
NEW	***Netra X4270***		***144GB***	***18***	***4GB***	***X4850A, X5870A***	***DRSX1333R/4GB***	***1***
					8GB	***X4851A, X5868A***	***DRSX1066R/8GB***	***1***
	See DDR3 Note #2 at top of Sun x64 Servers section							
	Netra X4450		256GB[1]	32	8GB	X6382A	DRSX4450/8GB	2
	[1] 256GB maximum when 8GB FB-DIMMs are available.							
	Netra T2000		64GB	16	4GB	SEKX2C1Z, X7802A	DRST2000/4GB	2[1]
					8GB	SEKX2D1Z, X7803A	DRST2000/8GB	2[1]
	[1] Memory must be installed in groups of 8 matched DIMMs. Valid configurations are 8 or 16 matched DIMMs.							
	Netra T5220		128GB	16	8GB	SESX2C1Z, X4204A	DRST5220/8GB	2
					16GB	SESX2D1Z, X4290AF	DRST5440/16GB	2
	Valid configurations are 4, 8 or 16 DIMMs of the same capacity only.							
	Netra T5440		256GB[1]	32[1]	8GB	SESX2C1Z, X4204A	DRST5220/8GB	2
	Either 1.8V FB-DIMMs (SESX2x1Z, DRST52200) or low voltage (LV) 1.5V FB-DIMMs (SESX2x3Z, DRTS5440LV) are supported.							
	Memory Riser 501-7678 supports only 1.8V FB-DIMMs; Memory Riser 511-1231 supports either 1.5V or 1.8V FB-DIMMs.							
	All FB-DIMMs must be the same voltage. If you upgrade to LV 1.5V FB-DIMMs, you must replace all FB-DIMMs.							
	[1] 256GB with optional Sun Mezzanine Kit. 16 slots on system board; 16 slots on Mezzanine.							
	Valid configurations are 8, 16 or 32 DIMMs of the same capacity only. All 16 slots on Mezzanine must be populated.							

BLADE SERVERS

DDR3 Note #1: For Sun systems with 12 DIMM slots:
Systems feature 1 or 2 processors each controlling 3 memory "channels" of 2 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel.

DDR3 Note #2: For Sun systems with 18 DIMM slots:
Systems feature 1 or 2 processors each controlling 3 memory "channels" of 3 DIMM slots each. For best performance balance the total memory capacity equally between both CPUs. Overall memory speed is dependent upon the processor model and memory configuration: 1 DIMM per channel enables memory speed of 1333MHz; 2 DIMMs per channel reduces speed to 1066MHz; 3 DIMMs per channel reduces speed to 800MHz for single or dual-rank DIMMs; maximum speed with quad-rank DIMMs is 1066MHz with 1 DIMM per channel and 800MHz with 2 DIMMs per channel; 3 quad-rank DIMMs are not supported.

Sun Blade T6300 Server Module	32GB	8	8GB	X5724A	DRST6300/8GB	2
Sun Blade T6320 Server Module	128GB	16	4GB	SESX2B2Z, X4203AF	DRST5440/4GB	2
			8GB	SESX2C1Z, X4204A	DRST5220/8GB	2
			16GB	SESX2D1Z, X4290AF	DRST5440/16GB	2
Valid configurations are 4, 8 or 16 DIMMs of the same capacity only. All DIMMs in a branch must be identical.						
Sun Blade X6220 Server Module	64GB	16[1]	8GB	X4293A	DRSX6220/8GB	2
[1] 8 DIMM slots per processor						
Sun Blade X6240 Server Module	128GB	16[1]	8GB	X4262A	DRSX6440/8GB	2
			16GB	X4249A	DRSX6440/16GB	2
[1] 8 DIMM slots per processor						
Sun Blade X6250 Server Module	64GB	16[1]	8GB	X4402A	DRSX6250/8GB	2
[1] 8 DIMM slots per processor						
Sun Blade X6270	144GB	18	2GB	X4653A	DRSX6270-13/2GB	1
			4GB	X4654A	DRSX6270-13/4GB	1
			8GB	X4652A	DRSX6270-10/8GB	1
			8GB	Not Offered by Sun	DRSX6270-13/8GB	1
See DDR3 Note #2 at top of Sun Blade Servers section						
Sun Blade X6275	192GB	24[1]	2GB	X4673A	DRSX6275-13/2GB	1
			4GB	X4674A	DRSX6275-13/4GB	1
[1] 12 DIMM slots per node.			8GB	Not Offered by Sun	DRSX6275-10/8GB	1
See DDR3 Note #1 at top of Sun Blade Servers section			8GB	Not Offered by Sun	DRSX6275-13/8GB	1
Sun Blade X6440 Server Module	256GB	32[1]	8GB	X4262A	DRSX6440/8GB	2
			16GB	X4249A	DRSX6440/16GB	2
[1] 8 DIMM slots per processor. Install DIMMs in the slots farthest from the CPU first.						
Sun Blade X6450 Server Module	192GB	24	8GB	X4402A	DRSX6250/8GB	2
Sun Blade X8420 Server Module	128GB	16	8GB	X5095A-Z	DRSX8440/8GB	2
			16GB	Not Offered by Sun	DRSX8440/16GB	2
Four processors per Server Module; 4 DIMM slots (32GB max) per processor.						
Sun Blade X8440 Server Module	256GB	32[1]	8GB	X5095A-Z	DRSX8440/8GB	2
			16GB	Not Offered by Sun	DRSX8440/16GB	2
Four processors per Server Module; 8 DIMM slots (64GB max) per processor.						
Sun Blade X8450 Server Module	128GB[1]	32	8GB	X4402A	DRSX6250/8GB	2
[1] When 8GB DIMMs are available						

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
X64 BASED WORKSTATIONS							
Sun Ultra 20 M2		8GB	4	4GB	X5279A-Z	DRSX2100M2/4GB	2
Sun Ultra 20		8GB[1)]	4	4GB	X4211A-Z	DRSU20E/4GB	2
[1)] Sun's X4211A-Z and Dataram's DRSU20E/4GB are ECC type memory and should not be mixed with Sun's X8008A Non-ECC type memory. 8GB maximum with ECC memory; 1GB maximum with Non-ECC memory. Dataram's DRSU20E/4GB is PC2700 333MHz; Sun's X4211A-Z is PC2100 266MHz.							
Sun Ultra 24		8GB	4	4GB	X5279A-Z	DRSX2100M2/4GB	2
Sun Ultra 27		24GB	6	2GB	X3914A	DRSU27-1333/2GB	1
				4GB	Not Offered by Sun	DRSU27-1333/4GB	1
Sun Ultra 40 M2		64GB[1)]	8[2)]	8GB	X5289A-Z	DRSU40M2/8GB	2
				16GB[1)]	Not Offered by Sun	DRSU40M2/16GB	2
[1)] Support for the 16GB upgrade and 64GB of system memory requires BIOS version 1.22 or later. [2)] 4 DIMM slots per processor							
SPARC BASED WORKSTATIONS							
Sun Blade 1000, 2000		8GB	8	2GB	X7051A	DRS280/2048	4
				4GB	X7063A	DRSB2000A/4096	4
Sun Blade 1500		8GB	4	2GB	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
				4GB	X7711A-4	DRS243/4GB	2
Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							
Sun Ultra 25		8GB	4	2GB	X8704A	DRSU45/2GB	2
				4GB	X8711A	DRSU45/4GB	2
Sun Ultra 45		16GB	8[1)]	2GB	X8704A	DRSU45/2GB	2
[1)] 4 DIMM slots per processor				4GB	X8711A	DRSU45/4GB	2
Sun Blade 2500	1.6GHz	16GB	8[1)]	2GB	X7704A-4, X7704A, X7604A...	DRS240/2048	2
				4GB	X7711A-4	DRS240/4096	2
				2GB	X7704A-4	DRS243/2GB	2
[1)] 8 slots and 16GB with two CPUs. 4 slots and 8GB with one CPU.				4GB	X7711A-4	DRS243/4GB	2
Dataram recommends Open Boot Prom (OBP) 4.16v1 or later for the use of the DRS243/xxx (DDR333/PC2700).							

Intel

Intel Server Boards

MODEL	MAX	Slots	MB	Description	DRAM / AMB	DATARAM #	
Intel "Nehalem" 2-way server	192GB	12	1GB	1Rx8 PC3-8500R-7	Hynix B	DTM64307C	2)
S5520HC/S5520HCV/S5520HCR/S5520HCVR			2GB	2Rx8 PC3-8500R-7	Hynix B	DTM64305C	
(Hanlan Creek/Hanlan Creek V)			4GB	4Rx8 PC3-8500R-7	Hynix B	DTM64309C	
			4GB	4Rx8 PC3-8500R-7	Multiple	DTM64309	2)
S5520SC/S5520SCR (Shady Cove)			4GB	2Rx4 PC3-8500R-7	Hynix B	DTM64308B	
			1GB	1Rx8 PC3-10600R-9	Hynix B	DTM64311D	
(Also accepts UDIMMs-see S5500WB)			1GB	1Rx8 PC3-10600R-9	Samsung E	DTM64311E	
			2GB	2Rx8 PC3-10600R-9	Multiple	DTM64312	2)
			1GB	***1Rx8 PC3L-10600R-9-LPwr***	***Samsung F***	***DTM64331A***	
			2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	
			2GB	2Rx8 PC3-10600R-9	Samsung E	DTM64312E	
			2GB	2Rx8 PC3L-10600R-9-LPwr	Samsung F	DTM64332A	
			2GB	1Rx4 PC3-10600R-9	Hynix B	DTM64315B	
			4GB	2Rx4 PC3-10600R-9	Multiple	DTM64313	2)
			4GB	2Rx4 PC3-10600R-9	Hynix B	DTM64313B	
			4GB	2Rx4 PC3-10600R-9	Samsung E	DTM64313F	
			8GB	2Rx4 PC3-10600R-9	Hynix	DTM64316C	
			8GB	2Rx4 PC3-10600R-9	Samsung	DTM64316D	
			16GB	4Rx4 PC3-8500R-7	Multiple	DTM64327	2)
Intel "Nehalem" 2-way server	192GB	12	1GB	1Rx8 PC3-8500R-7	Hynix B	DTM64307C	
S5520UR/S5520URR (Urbanna)			2GB	2Rx8 PC3-8500R-7	Hynix B	DTM64305C	
			4GB	4Rx8 PC3-8500R-7	Hynix B	DTM64309C	
			1GB	1Rx8 PC3-10600R-9	Hynix B	DTM64311D	
			1GB	1Rx8 PC3-10600R-9	Samsung E	DTM64311E	
			1GB	***1Rx8 PC3L-10600R-9-LPwr***	***Samsung F***	***DTM64331A***	
			2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	
			2GB	2Rx8 PC3-10600R-9	Samsung E	DTM64312E	
			2GB	2Rx8 PC3L-10600R-9-LPwr	Samsung F	DTM64332A	
			2GB	1Rx4 PC3-10600R-9	Hynix B	DTM64315B	
			2GB	2Rx8 PC3-10600R-9 VLP	Hynix B	DTM64336E	2)
			4GB	2Rx4 PC3-10600R-9	Hynix B	DTM64313B	
			4GB	2Rx4 PC3-10600R-9	Samsung E	DTM64313F	
			4GB	2Rx8 PC3-10600R-9 VLP	Hynix A	DTM64343A	2)
			8GB	2Rx4 PC3-10600R-9	Hynix	DTM64316C	
			8GB	2Rx4 PC3-10600R-9	Samsung	DTM64316D	
(Also accepts UDIMMs-see S5500WB)			16GB	4Rx4 PC3-8500R-7	Multiple	DTM64327	2)
S5500HV (Hayden Valley)	192GB	12	1GB	1Rx8 PC3-10600R-9	Hynix B	DTM64311D	2)
SR1680MV(Marble Valley)per node:	192GB	18	2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	
			4GB	2Rx4 PC3-10600R-9	Hynix B	DTM64313B	
			8GB	2Rx4 PC3-10600R-9	Hynix	DTM64316C	
			16GB	4Rx4 PC3-8500R-7	Multiple	DTM64327	2)
S5500WB (Willow Brook)	32GB	8	1GB	1Rx8 PC3-10600E-9	Hynix B	DTM64322A	
S5500BC (Bluff Creek)			2GB	2Rx8 PC3-10600E-9	Hynix B	DTM64323A	
(Also accepts RDIMMs-see S5520UR)			4GB	2Rx8 PC3-10600E-9	Samsung B	DTM64314B	2)
S7000FC4UR (Fox Cove)	256GB	32	1GB	1Rx8 PC2-5300F-555	Hynix C / IDT	DTM65526A	
			2GB	2Rx8 PC2-5300F-555	Hynix C / IDT	DTM65521A	
			4GB	4Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65523A	2)
			4GB	2Rx4 PC2-5300F-555	Hynix C / IDT	DTM65528A	2)
			8GB	4Rx4 PC2-5300F-555	Multiple	DTM65517	2)
S5400SF (Shoffner)	64GB	16	1GB	1Rx8 PC2-6400F-555	Hynix C / IDT	DTM65538B	2)
			2GB	2Rx8 PC2-6400F-555	Hynix C / IDT	DTM65525B	2)
			1GB	1Rx8 PC2-5300F-555	Hynix C / IDT	DTM65526A	
			2GB	2Rx8 PC2-5300F-555	Hynix C / IDT	DTM65521A	
			2GB	1Rx4 PC2-5300F-555	Hynix C / IDT	DTM65527B	2)
			2GB	1Rx4 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65527D	2)
			4GB	4Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65523A	2)
			4GB	2Rx4 PC2-5300F-555	Hynix C / IDT	DTM65528A	2)
			8GB	4Rx4 PC2-5300F-555	Multiple	DTM65517	2)
S5000PALR (Alcolu),	64GB	8	512MB	1Rx8 PC2-5300F-555	Hynix F / IDT	DTM65506G	2)
			512MB	1Rx8 PC2-5300F-555	Samsung i / IDT	DTM65506H	2)
S5000PSLR (Star Lake), S5000XVNR (Vernonia)			1GB	1Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65535A	
			1GB	1Rx8 PC2-5300F-555	Hynix C / IDT	DTM65526A	
			2GB	2Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65536A	
			2GB	2Rx8 PC2-5300F-555	Hynix C / IDT	DTM65521A	
			2GB	1Rx4 PC2-5300F-555	Hynix C / IDT	DTM65527B	
			2GB	1Rx4 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65527D	

MODEL	MAX	Slots	MB	Description	DRAM / AMB	DATARAM #	
			4GB	4Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65523A	
			4GB	2Rx4 PC2-5300F-555	Hynix C / IDT	DTM65528A	
			8GB	2Rx4 PC2-5300F-555	Multiple	DTM65520	2)
S5000VSAR (Sapello)	16GB	8	1GB	1Rx8 PC2-5300F-555	Hynix C / IDT	DTM65526A	
S5000VCLR (Callahan)	12GB	6	2GB	2Rx8 PC2-5300F-555	Hynix C / IDT	DTM65521A	
			2GB	1Rx4 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65527D	2)
			4GB	2Rx4 PC2-5300F-555	Hynix C / IDT	DTM65528A	2)
S3420GP (Grosse Point)	32GB	6	2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	
			2GB	2Rx8 PC3-10600R-9 VLP	Hynix B	DTM64336E	2)
			4GB	2Rx8 PC3-10600R-9	Hynix A	DTM64328A	
			4GB	4Rx8 PC3-8500R-7	Hynix B	DTM64309C	
			4GB	2Rx8 PC3-10600R-9 VLP	Hynix A	DTM64343A	2)
			8GB	4Rx8 PC3-8500R-7	Hynix A	DTM64330A	2)
S3200SH/S3210SH (Snow Hill)	8GB	4	1GB	1Rx8 PC2-6400E-555	Hynix C	DTM63393B	
			2GB	2Rx8 PC2-6400E-555	Hynix C	DTM63368A	
S3000AH (Aspen Hill),	8GB	4	512MB	1Rx16 DDR2-667E-555	Hynix C	DTM63389B	
			1GB	1Rx8 PC2-5300E-555	Hynix C	DTM63391B	
			2GB	2Rx8 PC2-5300E-555	Hynix C	DTM63344E	
SE7230NH1-E (Nob Hill)	8GB	4	512MB	1Rx16 DDR2-667E-555	Hynix C	DTM63389B	
Note: Except for the option of installing a single DIMM in			1GB	1Rx8 PC2-5300E-555	Hynix C	DTM63391B	
slot 1A or 1B, DIMMs must be installed in matched pairs.			2GB	2Rx8 PC2-5300E-555	Hynix C	DTM63344E	
SE7210TP1-E/SR1325TP1-E	4GB	4	512MB	DDR400, UNB, ECC, 1R, x8	Samsung F	DTM63715C	
(Torrey Pines)			512MB	DDR400, UNB, ECC, 1R, x8	Samsung G	DTM63715E	2)
			1GB	DDR400, UNB, ECC, 2R, x8	Samsung F	DTM63682E	
			1GB	DDR400, UNB, ECC, 2R, x8	Samsung G	DTM63682F	2)
SE7520JR2-2 (Jarrell 2) DDR2	16GB	6	1GB	1Rx4 PC2-3200R-333	Hynix F	DTM63310P	
Note: No more than the equivalent of 8 ranks may be installed.			1GB	1Rx4 PC2-3200R-333	Samsung G	DTM63310Q	
x4 supports SDDC-Chipkill, Install in pairs			1GB	1Rx4 PC2-3200R-333	Samsung i	DTM63310R	
			2GB	1Rx4 PC2-3200R-333	Hynix C	DTM63320D	2)
SE7320VP2D2 (Volcano Peak) DDR2	16GB	6	1GB	1Rx4 PC2-3200R-333	Hynix F	DTM63310P	2)
SR1435VP2D2			1GB	1Rx4 PC2-3200R-333	Samsung G	DTM63310Q	2)
Note: No more than 8 ranks may be installed.			2GB	2Rx4 PC2-3200R-333	Hynix C	DTM63320D	2)

Intel Desktop Boards

DH57JG (Jet Geyser),	16GB	4	1GB	1Rx8 PC3-10600U-9	Hynix B	DTM64303B	
DQ57TM (Tunnel Mountain),			2GB	2Rx8 PC3-10600U-9	Hynix B	DTM64304B	
DH55HC (Hunter Cove), DP55WB (Whitesburg)			4GB	2Rx8 PC3-10600U-9	Hynix B	DTM64329A	
DP55SB (Sharpsberg)	16GB	4	2GB	2Rx8 PC3-10600U-9	Hynix B	DTM64304B	
DX38BT (Bone Trail),	8GB	4	1GB	1Rx8 PC3-10600E-9	Hynix B	DTM64302C	
DX48BT2 (Bone Trail 2)			2GB	2Rx8 PC3-10600E-9	Hynix B	DTM64306C	
D945GSEJT (Johnstown)	2GB	1	1GB	1Rx8 PC2-4200S-444	Hynix C	DTM67209A	
Intel Atom			2GB	2Rx8 PC2-4200S-444	Hynix C	DTM67207B	
DQ45CB (Cube Cove),	16GB	4	1GB	1Rx8 PC2-6400U-555	Hynix C	DTM63371A	
DG45ID (Icedale)			2GB	2Rx8 PC2-6400U-555	Hynix C	DTM63367A	
DP45SG (Skyburg),	16GB	4	1GB	1Rx8 PC3-10600U-9	Hynix B	DTM64303B	
DX58SO (Smackover)			2GB	2Rx8 PC2-10600U-9	Hynix B	DTM64304B	
DG35EC (Eva Cove)	8GB	4	1GB	1Rx8 PC2-6400U-555	Hynix C	DTM63371A	
DQ35JO/DQ35MP	8GB	4	1GB	1Rx8 PC2-6400U-555	Hynix C	DTM63371A	
(Johannesburg/Montpelier)			2GB	2Rx8 PC2-6400U-555	Hynix C	DTM63367A	
DG33BU/DP35DP/DG33FB	8GB	4	1GB	1Rx8 PC2-6400U-555	Hynix C	DTM63371A	
(Buffalo Creek/Dragontail Peak/Frostburg)							
DG33TL (Tower Lake)	8GB	4	1GB	1Rx8 PC2-6400U-555	Hynix C	DTM63371A	2)
			2GB	2Rx8 PC2-6400U-555	Hynix C	DTM63367A	
D975XBX2/S975XBX2 (Bad Axe 2)	8GB	4	1GB	1Rx8 PC2-6400E-555	Hynix C	DTM63393B	2)
			2GB	2Rx8 PC2-6400E-555	Hynix C	DTM63368A	
DG965WHM (Westchester),	8GB	4	512MB	1Rx8 PC2-5300U-555	Hynix F	DTM63322D	
DG965SSC (Shewsbury), DQ965GF (Guard Fish)			1GB	1Rx8 PC2-5300U-555	Hynix C	DTM63372A	
			1GB	2Rx8 PC2-5300U-555	Samsung G	DTM63323D	2)
			2GB	2Rx8 PC2-5300U-555	Hynix C	DTM63363B	
D945GNT (Sorrento),	4GB	4	512MB	1Rx8 PC2-5300U-555	Hynix F	DTM63322D	
D945GTP (Tappen), D945PSN (Sandusky),			1GB	1Rx8 PC2-5300U-555	Hynix C	DTM63372A	
D945PVS (Rio Vista)							
D915GAV (Avalon),	4GB	4	512MB	DDR400, UNBUF, 1R, x8	Samsung F	DTM63741B	2)
D915GAG (Augsburg)			512MB	DDR400, UNBUF, 1R, x8	Samsung G	DTM63741C	2)
			1GB	DDR400, UNBUF, 2R, x8	Samsung F	DTM63683H	2)
			1GB	DDR400, UNBUF, 2R, x8	Samsung G	DTM63683J	2)
D865GLC/D865GBF/D865GRH	4GB	4	512MB	DDR400, UNBUF, 1R, x8	Samsung F	DTM63741B	2)
(LaCrosse)			512MB	DDR400, UNBUF, 1R, x8	Samsung G	DTM63741C	2)
			1GB	DDR400, UNBUF, 2R, x8	Samsung F	DTM63683H	2)
			1GB	DDR400, UNBUF, 2R, x8	Samsung G	DTM63683J	2)

MODEL	MAX	Slots	MB	Description	DRAM / AMB	DATARAM #	
Radisys Motherboards/SBC							
Endura PL35Q, JD35Q	8GB	4	1GB	1Rx8 PC2-6400U-555	Hynix C	DTM63371A	
(Intel Q35)			2GB	2Rx8 PC2-6400U-555	Hynix C	DTM63367A	
AIC-PSG Motherboards							
AIC "Gemini" RTX	192GB	12	1GB	1Rx8 PC3-8500R-7	Hynix B	DTM64307C	5)
(Intel 5520-Tylersburg-EP)			2GB	2Rx8 PC3-8500R-7	Hynix B	DTM64305C	5)
AIC "Castor" CTDP036D-110	192GB	12	4GB	2Rx4 PC3-8500R-7	Hynix B	DTM64308B	5)
			4GB	4Rx8 PC3-8500R-7	Hynix B	DTM64309C	5)
			1GB	1Rx8 PC3-10600R-9	Hynix B	DTM64311D	5)
			1GB	1Rx8 PC3-10600R-9	Samsung E	DTM64311E	5)
			1GB	***1Rx8 PC3L-10600R-9-LPwr***	***Samsung F***	***DTM64331A***	***5)***
			2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	5)
			2GB	2Rx8 PC3-10600R-9	Samsung E	DTM64312E	5)
			2GB	2Rx8 PC3L-10600R-9-LPwr	Samsung F	DTM64332A	5)
			2GB	1Rx4 PC3-10600R-9	Hynix B	DTM64315B	5)
			4GB	2Rx4 PC3-10600R-9	Hynix B	DTM64313B	5)
			4GB	2Rx4 PC3-10600R-9	Samsung E	DTM64313F	5)
			8GB	2Rx4 PC3-10600R-9	Hynix	DTM64316C	5)
			8GB	2Rx4 PC3-10600R-9	Samsung	DTM64316D	5)
			16GB	4Rx4 PC3-8500R-7	Multiple	DTM64327	2)
Unbuffered ECC also supported			1GB	1Rx8 PC3-10600E-9	Hynix B	DTM64322A	5)
			2GB	2Rx8 PC3-10600E-9	Hynix B	DTM64323A	5)
			4GB	2Rx8 PC3-10600E-9	Samsung B	DTM64314B	5)
AIC "Aquarius" AQDP5100-110	24GB	6	1GB	1Rx8 PC2-5300P-555	Hynix C	DTM63392B	5)
(Intel 5100-San Clemente)			2GB	2Rx8 PC2-5300P-555	Hynix C	DTM63394B	5)
AIC "Perseus" PEUP5100-111	8GB	2	2GB	1Rx4 PC2-5300P-555	Hynix C	DTM63369C	5)
			2GB	1Rx4 DDR2-667P-555 VLP	Hynix C	DTM63360A	5)
			4GB	2Rx4 PC2-5300P-555	Hynix C	DTM63356G	5)
			4GB	2Rx4 PC2-5300P-555-VLP	Micron	DTM63387A	5)
AIC "Aries" ARUP3210-110	8GB	4	1GB	1Rx8 PC2-6400E-555	Hynix C	DTM63393B	5)
(Intel 3210)			2GB	2Rx8 PC2-6400E-555	Hynix C	DTM63368A	5)
AIC "Aquila" ALUPIBPK-110	32GB	6	2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	5)
Intel Xeon X3400 series			4GB	2Rx8 PC3-10600R-9	Hynix A	DTM64328A	5)
			4GB	4Rx8 PC3-8500R-7	Hynix B	DTM64309C	5)
			8GB	4Rx8 PC3-8500R-7	Hynix A	DTM64330A	5)
Supermicro Motherboards							
SBI-7425C, 'B7DC3'	24GB	6	2GB	1Rx4 DDR2-667P-555 VLP	Hynix C	DTM63360A	2)
(Intel 5100)			4GB	2Rx4 PC2-5300P-555 VLP	Micron	DTM63387A	2)
X8DA3*, X8DAi (Intel 5520)	96GB	12	1GB	1Rx8 PC3-8500R-7	Hynix B	DTM64307C	1)
X8DA#+ (Intel 5520 Tylersburg-EP)	144GB	18	2GB	2Rx8 PC3-8500R-7	Hynix B	DTM64305C	1)
X8DA# (Intel 5520 Tylersburg-EP)	96GB	12	4GB	2Rx4 PC3-8500R-7	Hynix B	DTM64308B	1)
X8DT# (Intel 5520 Tylersburg-EP)	96GB	12	4GB	4Rx8 PC3-8500R-7	Hynix B	DTM64309C	1)
			1GB	1Rx8 PC3-10600R-9	Hynix B	DTM64311D	1)
*All modules tested at Dataram on this MB.			2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	1)
			2GB	1Rx4 PC3-10600R-9	Hynix B	DTM64315B	2)
			4GB	2Rx4 PC3-10600R-9	Hynix B	DTM64313B	1)
			8GB	2Rx4 PC3-10600R-9	Hynix	DTM64316C	2)
X8SI# (Intel 3420)	32GB	6	2GB	2Rx8 PC3-10600R-9	Hynix B	DTM64312D	2)
			4GB	2Rx8 PC3-10600R-9	Hynix A	DTM64328A	2)
			4GB	4Rx8 PC3-8500R-7	Hynix B	DTM64309C	2)
			8GB	4Rx8 PC3-8500R-7	Hynix A	DTM64330A	2)
X8SA# (Intel X58)	24GB	6	1GB	1Rx8 PC3-10600E-9	Hynix B	DTM64322A	2)
X8ST#			2GB	2Rx8 PC3-10600E-9	Hynix B	DTM64323A	2)
			4GB	2Rx8 PC3-10600E-9	Samsung B	DTM64314B	2)
X7DWN+ * (Intel 5400 Seaburg)	128GB	16	1GB	1Rx8 PC2-5300F-555	Hynix C / IDT	DTM65526A	2)
X7DW#	64GB	8	2GB	2Rx8 PC2-5300F-555	Hynix C / IDT	DTM65521A	2)
*All modules tested at Dataram on this MB.			2GB	1Rx4 PC2-5300F-555	Hynix C / IDT	DTM65527B	2)
			2GB	1Rx4 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65527D	2)
			4GB	2Rx4 PC2-5300F-555	Hynix C / IDT	DTM65528A	2)
			4GB	4Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65523A	2)
			8GB	4Rx4 PC2-5300F-555	Multiple	DTM65517	2)
X7DB# (Intel 5000P Blackford)	64GB	16	1GB	1Rx8 PC2-5300F-555	Hynix C / IDT	DTM65526A	2)
	64/32GB	8	2GB	2Rx8 PC2-5300F-555	Hynix C / IDT	DTM65521A	2)
			4GB	2Rx4 PC2-5300F-555	Hynix C / IDT	DTM65528A	2)
			4GB	4Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65523A	2)
			8GB	2Rx4 PC2-5300F-555	Multiple	DTM65520	2)

MODEL	MAX	Slots	MB	Description	DRAM / AMB	DATARAM #	
X7DBE-O (certified @CMTL)	32GB	8	1GB	1Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65535A	
			2GB	2Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65536A	
X7DA# (Intel 5000X Greencreek)	32GB	8	1GB	1Rx8 PC2-5300F-555	Hynix C / IDT	DTM65526A	2)
X7DV# (Intel 5000V Blackford VS)	24GB	6	2GB	2Rx8 PC2-5300F-555	Hynix C / IDT	DTM65521A	2)
			4GB	2Rx4 PC2-5300F-555	Hynix C / IDT	DTM65528A	2)
			4GB	4Rx8 PC2-5300F-555-LPwr	Hynix C / IDT-L4	DTM65523A	2)
X7DC# (Intel 5100 San Clemente)	48GB	6	1GB	1Rx8 PC2-5300P-555	Hynix C	DTM63392B	2)
			2GB	1Rx4 PC2-5300P-555	Hynix C	DTM63369C	2)
			4GB	2Rx4 PC2-5300P-555	Hynix C	DTM63356G	2)
X6DH# (Intel E7520 Lindenhurst)	16GB	6	1GB	1Rx4 PC2-3200R-333	Hynix F	DTM63310P	2)
			1GB	1Rx4 PC2-3200R-333	Samsung G	DTM63310Q	2)
			2GB	1Rx4 PC2-3200R-333	Hynix C	DTM63320D	2)
X6DA# (Intel E7525 Tumwater)	16GB	6	1GB	1Rx4 PC2-3200R-333	Hynix F	DTM63310P	2)
			1GB	1Rx4 PC2-3200R-333	Samsung G	DTM63310Q	2)
X6DV# (Intel E7320 Lindenhurst VS)	12GB	6	2GB	1Rx4 PC2-3200R-333	Hynix C	DTM63320D	2)
X7SB# (Intel 3210/3200 Bigby)	8GB	4	1GB	1Rx8 PC2-6400E-555	Hynix C	DTM63393B	2)
			2GB	2Rx8 PC2-6400E-555	Hynix C	DTM63368A	2)

AMD

MODEL	MAX	Slots	MB	Description	DRAM / AMB	DATARAM #	
Tyan Opteron Server Boards - Socket 1207							
Tyan Thunder n3600M (S2932-E),	64GB	16	2GB	1Rx4 PC2-6400P-555	Hynix C	DTM63352B	
Tyan Thunder h2000M (S3992-E) (DDR2-800)			4GB	2Rx4 PC2-6400P-555	Hynix C	DTM63395A	
Tyan Thunder n4250QE (S4985-E)	128GB	16	1GB	1Rx8 PC2-5300P-555	Hynix C	DTM63392B	2)
			2GB	2Rx8 PC2-5300P-555	Hynix C	DTM63394B	2)
			4GB	2Rx4 PC2-5300P-555	Hynix C	DTM63356G	2)
			8GB	4Rx4 PC2-5300P-555	Multiple	DTM63357	2)
Tyan Tempest i5100T (S5377)	32GB	8	1GB	1Rx8 PC2-5300P-555	Hynix C	DTM63392B	2)
(w/5100 Intel San Clemente)			2GB	2Rx8 PC2-5300P-555	Hynix C	DTM63394B	2)
			2GB	1Rx4 PC2-5300P-555	Hynix C	DTM63369C	2)
			4GB	2Rx4 PC2-5300P-555	Hynix C	DTM63356G	2)
Tyan Thunder n3600R (S2912-E)	64GB	8	1GB	1Rx8 PC2-5300P-555	Hynix C	DTM63392B	2)
Tyan Thunder n6650W (S2915-E)			2GB	2Rx8 PC2-5300P-555	Hynix C	DTM63394B	2)
			2GB	1Rx4 PC2-5300P-555	Hynix C	DTM63369C	2)
			4GB	2Rx4 PC2-5300P-555	Multiple	DTM63356	2)
			4GB	2Rx4 PC2-5300P-555	Hynix C	DTM63356G	2)

# of Ranks	DRAM Org	Module Speed	DRAM Speed	Module Type	CAS Latency
# of Ranks	DRAM Org	Module Speed	DRAM Speed	Module Type	CAS Latency
1R	x4	PC2-3200	DDR2-400	U - Unbuffered	3
2R	x8	PC2-4200	DDR2-533	E - Unbuffered ECC	4
4R	x16	PC2-5300	DDR2-667	F - Fully Buffered ECC	5
		PC2-6400	DDR2-800	R - Registered ECC	5, 6
		PC3-8500	DDR3-1066	P - REG w/add&cmd parity	7, 8
		PC3-10600	DDR3-1333	S - SODIMM	9
		PC3-12800	DDR3-1600		10, 11
		PC3-15000	DDR3-1866		12, 13