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FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
<b>HP 9000 UNIX SERVERS</b>							
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 <sup>1)</sup>	4GB	A7130A	DRH4440/4GB	4
				8GB	A7131A	DRH4440/8GB	4
				16GB	AB560A	DRH4440/16GB	4
<sup>1)</sup> 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 <sup>1)</sup>	8GB	AB455A	DRH8640/8GB	2
<sup>1)</sup> Memory is installed on one or two HP Cell Boards, each containing 16 DIMM slots.							
HP 9000 rp8440		256GB	64 <sup>1)</sup>	8GB	AB455A	DRH8640/8GB	2
<sup>1)</sup> Memory is installed on one, two, or four HP Cell Boards, each containing 16 DIMM slots.							
<b>INTEGRITY SERVER FAMILY</b>							
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	DRH8902/4GB	2
				8GB	AM327A	DRH8902/8GB	2
				16GB	AM328A	DRH8902/16GB	2
NEW	Integrity BL870c i2	384GB	48	8GB	AM327A	DRH8902/8GB	2
				16GB	AM328A	DRH8902/16GB	2
				DIMMs must be installed in sets of four (i.e. two AM327A, AM328A, DRH8902/8GB or DRH8902/16GB kits at a time).			
NEW	Integrity BL890c i2	768GB	96	8GB	AM327A	DRH8902/8GB	2
				16GB	AM328A	DRH8902/16GB	2
				DIMMs must be installed in sets of four (i.e. two AM327A, AM328A, DRH8902/8GB or DRH8902/16GB kits at a time).			
Integrity rx2600-2		32GB <sup>1)</sup>	12	8GB	A6835A, AB228A	DRH5670/8192	4
<sup>1)</sup> 32GB maximum using 8x4GB DIMMs.							
Integrity rx2620-2		32GB <sup>1)</sup>	12	8GB	A6835A, AB228A	DRH5670/8192	4
<sup>1)</sup> 32GB maximum using 8x4GB DIMMs.							
Integrity rx2660		32GB	8	4GB	AD275A	DRH2660/4GB	2
				8GB	AD276A	DRH2660/8GB	2
Integrity rx3600		192GB	24 <sup>1)</sup>	8GB	AB565A	DRH6600/8GB	4
				16GB	AB566A	DRH6600/16GB	4
				32GB	AH405A	DRH6600/32GB	4
<sup>1)</sup> 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 <sup>1)</sup>	8GB	A6970A	DRH4640/8192	4
				16GB	AB475A	DRH4640/16GB	4
<sup>1)</sup> 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 <sup>1)</sup>	8GB	A6835A	DRH5670/8192	4
<sup>1)</sup> Memory is installed on one or two HP Memory Carrier Cards (A6747A), each containing 24 DIMM slots.							
Integrity rx6600		384GB	48 <sup>1)</sup>	8GB	AB565A	DRH6600/8GB	4
				16GB	AB566A	DRH6600/16GB	4
				32GB	AH405A	DRH6600/32GB	4
<sup>1)</sup> 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 <sup>1)</sup>	8GB	AB455A	DRH8640/8GB	2
				16GB	AB456A	DRH8640/16GB	2
<sup>1)</sup> Memory is installed on one or two HP Cell Boards, each containing 16 DIMM slots.							
Integrity rx8640		512GB	64 <sup>1)</sup>	8GB	AB455A	DRH8640/8GB	2
				16GB	AB456A	DRH8640/16GB	2
<sup>1)</sup> Memory is installed on one, two, or four HP Cell Boards, each containing 16 DIMM slots.							
<b>PROLIANT BLADE SERVERS</b>							
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 <sup>1)</sup>	8GB	408854-B21	DRH585G2/8GB	2
<sup>1)</sup> 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 <sup>1)</sup>	8GB	408854-B21	DRH585G2/8GB	2
<sup>1)</sup> Four DIMM slots per processor							

**DATARAM MEMORY PRODUCTS FOR HP SYSTEMS**

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
NEW	ProLiant BL2x220c G5	32GB	4	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
	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
				16GB	500666-B21	DRH1066RQ/16GB	1
				(1.35V) (1.35V)	<b>4GB 604504-B21</b> <b>8GB 604506-B21</b>	<b>DRH1333RL/4GB</b> <b>DRH1333RL/8GB</b>	<b>1</b> <b>1</b>
	<i>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.</i>						
	ProLiant BL260c G5	48GB	6	8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
16GB				408855-B21	DRH585G2/16GB	2	
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	
			16GB	500666-B21	DRH1066RQ/16GB	1	
			(1.35V) (1.35V)	<b>4GB 604504-B21</b> <b>8GB 604506-B21</b>	<b>DRH1333RL/4GB</b> <b>DRH1333RL/8GB</b>	<b>1</b> <b>1</b>	
<i>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.</i>							
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	
			64GB	495604-B21	DRH667FB/64GB	8	
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 BL460c G5	32GB	8	4GB	461828-B21	DRH667FBL/4GB	2	
			8GB	466440-B21	DRH667FBL/8GB	2	
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	
			16GB	500666-B21	DRH1066RQ/16GB	1	
			(1.35V) (1.35V)	<b>4GB 604504-B21</b> <b>8GB 604506-B21</b>	<b>DRH1333RL/4GB</b> <b>DRH1333RL/8GB</b>	<b>1</b> <b>1</b>	
<i>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.</i>							
ProLiant BL465c	32GB	8 <sup>1)</sup>	8GB	408854-B21	DRH585G2/8GB	2	
<sup>1)</sup> Four DIMM slots per processor							
ProLiant BL465c G5	64GB	8 <sup>1)</sup>	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	
<sup>1)</sup> Four DIMM slots per processor. The DRH585G2x and associated 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 <sup>1)</sup>	8GB	497767-B21	DRH800R/8GB	2	
			8GB	504351-B21	DRH800RLP/8GB	2	
			16GB	408855-B21	DRH585G2/16GB	2	
			64GB	495605-B21	DRH585G2/64GB	8	
<sup>1)</sup> Four DIMM slots per processor. The DRH585G2x and associated HP options are DDR2-667. The DRH800Rx and associated HP options are DDR2-800 in normal and low (L) power.							
ProLiant BL480c	64GB <sup>1)</sup>	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	
			64GB	495604-B21	DRH667FB/64GB	8	
<sup>1)</sup> 64GB maximum configured as 8 x 8GB DIMMs. HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
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	
			16GB	500666-B21	DRH1066RQ/16GB	1	
			(1.35V) (1.35V)	<b>4GB 604504-B21</b> <b>8GB 604506-B21</b>	<b>DRH1333RL/4GB</b> <b>DRH1333RL/8GB</b>	<b>1</b> <b>1</b>	
<i>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.</i>							

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FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
ProLiant BL495c G5		128GB	16 <sup>1)</sup>	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
<sup>1)</sup> Eight DIMM slots per processor. The DRH585G2x and associated 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 <sup>1)</sup>	8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
<sup>1)</sup> Eight DIMM slots per processor. The DRH585G2x and associated 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
				64GB	495604-B21	DRH667FB/64GB	8
<sup>1)</sup> 64GB maximum configured as 8 x 8GB DIMMs. HP's 461828-B21, 466440-B21 and Dataram's DRH667FBL/4GB, DRH667FBL/8GB are Low Power DIMMs.							
ProLiant BL685c		64GB	16 <sup>1)</sup>	8GB	408854-B21	DRH585G2/8GB	2
<sup>1)</sup> Four DIMM slots per processor							
ProLiant BL685c G5		128GB	16 <sup>1)</sup>	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
<sup>1)</sup> Four DIMM slots per processor. The DRH585G2x and associated 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 <sup>1)</sup>	8GB	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
<sup>1)</sup> 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 associated 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 <sup>1)</sup>
<sup>1)</sup> 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
				8GB	397415-B21	DRH667FB/8GB	2
DIMMs must be installed in matched pairs. HP's 461828-B21 and Dataram's DRH667FBL/4GB are Low Power DIMMs.							
ProLiant DL145 G3		32GB	8 <sup>1)</sup>	8GB	408854-B21	DRH585G2/8GB	2
<sup>1)</sup> 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.							

**DATARAM MEMORY PRODUCTS FOR HP SYSTEMS**

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	
				16GB	500666-B21	DRH1066RQ/16GB	1	
				See DDR3 Note #1 at top of ProLiant Servers section				
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	
				16GB	500666-B21	DRH1066RQ/16GB	1	
See DDR3 Note #2 at top of ProLiant Servers section								
ProLiant DL165 G5		64GB	8 <sup>1)</sup>	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	
<sup>1)</sup> Four DIMM slots per processor. Best performance with identical memory configurations for both processors. The DRH585G2x and associated 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 <sup>1)</sup>	8GB	483403-B21	DRH585G2L/8GB	2	
				16GB	408855-B21	DRH585G2/16GB	2	
				8GB	497767-B21	DRH800R/8GB	2	
				8GB	504351-B21	DRH800RLP/8GB	2	
<sup>1)</sup> Eight DIMM slots per processor. The DRH585G2x and associated 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 <sup>1)</sup>	8GB	497767-B21	DRH800R/8GB	2	
				8GB	504351-B21	DRH800RLP/8GB	2	
				16GB	408855-B21	DRH585G2/16GB	2	
				64GB	495605-B21	DRH585G2/64GB	8	
<sup>1)</sup> Four DIMM slots per processor. Best performance with identical memory configurations for both processors. The DRH585G2x and associated 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	
				16GB	500666-B21	DRH1066RQ/16GB	1	
				See DDR3 Note #2 at top of ProLiant Servers section				
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	
				16GB	500666-B21	DRH1066RQ/16GB	1	
				See DDR3 Note #1 at top of ProLiant Servers section				
ProLiant DL185 G5		64GB	8 <sup>1)</sup>	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 associated 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 <sup>1)</sup>	
<sup>1)</sup> 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
<b>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.</b>								
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 <sup>1)</sup>	
<sup>1)</sup> DIMMs must be installed in matched pairs.								
ProLiant DL360 G4p		16GB	6	4GB	343057-B21	DRH380G4S/4GB	2	
				8GB	348106-B21	DRH380G4D/8GB	2	
<sup>1)</sup> 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.								

**DATARAM MEMORY PRODUCTS FOR HP SYSTEMS**

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS	
N E W	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	
				64GB	495604-B21	DRH667FB/64GB	8	
	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 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	
16GB				500666-B21	DRH1066RQ/16GB	1		
See DDR3 Note #2 at top of ProLiant Servers section								
<b>ProLiant DL360 G7</b>	<b>192GB</b>	<b>18</b>	<b>2GB</b>	<b>500656-B21</b>	<b>DRH1333R/2GB</b>	<b>1</b>		
			<b>4GB</b>	<b>500658-B21</b>	<b>DRH1333R/4GB</b>	<b>1</b>		
			<b>8GB</b>	<b>500662-B21</b>	<b>DRH1333R/8GB</b>	<b>1</b>		
			<b>16GB</b>	<b>500666-B21</b>	<b>DRH1066RQ/16GB</b>	<b>1</b>		
			<b>(1.35V)</b>	<b>4GB</b>	<b>604504-B21</b>	<b>DRH1333RL/4GB</b>	<b>1</b>	
<b>(1.35V)</b>	<b>8GB</b>	<b>604506-B21</b>	<b>DRH1333RL/8GB</b>	<b>1</b>				
<b>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.</b>								
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.					
			The DRH585G2x and associated 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 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 associated 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		
			16GB	500666-B21	DRH1066RQ/16GB	1		
See DDR3 Note #2 at top of ProLiant Servers section								
ProLiant DL380 G3	12GB <sup>1)</sup>	6	2GB	300680-B21	DRH370/2048	2		
			4GB	300682-B21	DRH370/4096	2		
<sup>1)</sup> 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		
<sup>1)</sup> 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		
			64GB	495604-B21	DRH667FB/64GB	8		
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 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		
			16GB	500666-B21	DRH1066RQ/16GB	1		
See DDR3 Note #2 at top of ProLiant Servers section								
<b>ProLiant DL380 G7</b>	<b>192GB</b>	<b>18</b>	<b>2GB</b>	<b>500656-B21</b>	<b>DRH1333R/2GB</b>	<b>1</b>		
			<b>4GB</b>	<b>500658-B21</b>	<b>DRH1333R/4GB</b>	<b>1</b>		
			<b>8GB</b>	<b>500662-B21</b>	<b>DRH1333R/8GB</b>	<b>1</b>		
			<b>16GB</b>	<b>500666-B21</b>	<b>DRH1066RQ/16GB</b>	<b>1</b>		
			<b>(1.35V)</b>	<b>4GB</b>	<b>604504-B21</b>	<b>DRH1333RL/4GB</b>	<b>1</b>	
<b>(1.35V)</b>	<b>8GB</b>	<b>604506-B21</b>	<b>DRH1333RL/8GB</b>	<b>1</b>				
<b>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.</b>								
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.					
			The DRH585G2x and associated 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.					

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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
<p>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.</p>							
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
<p>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 associated HP options are DDR2-667. The DRH800Rx and associated HP options are DDR2-800 in regular and low (L) power.</p>							
ProLiant DL560	X1.5, X1.9, X2.0, X2.2 X2.5, X2.7, X2.8, X3.0	12GB	6	2GB	300680-B21	DRH370/2048	2
				4GB	300682-B21	DRH370/4096	2
ProLiant DL580 G3		64GB	16 <sup>1)</sup>	4GB	343057-B21	DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
<p><sup>1)</sup> 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.</p>							
ProLiant DL580 G4		64GB	16 <sup>1)</sup>	4GB	343057-B21	DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
<p><sup>1)</sup> 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.</p>							
ProLiant DL580 G5		256GB	32 <sup>1)</sup>	4GB	461828-B21	DRH667FBL/4GB	2 <sup>2)</sup>
				8GB	397415-B21	DRH667FB/8GB	2 <sup>2)</sup>
				8GB	466440-B21	DRH667FBL/8GB	2 <sup>2)</sup>
				16GB	413015-B21	DRH667FB/16GB	2 <sup>2)</sup>
				64GB	495604-B21	DRH667FB/64GB	8
<p><sup>1)</sup> 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. <sup>2)</sup> 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, DRH667FB/8GB are Low Power DIMMs.</p>							
<b>N E W</b>	<b>ProLiant DL580 G7</b>	<b>1TB</b>	<b>64</b>	<b>2GB</b>	<b>500656-B21</b>	<b>DRH1333R/2GB</b>	<b>1</b>
				<b>4GB</b>	<b>500658-B21</b>	<b>DRH1333R/4GB</b>	<b>1</b>
				<b>8GB</b>	<b>500662-B21</b>	<b>DRH1333R/8GB</b>	<b>1</b>
				<b>16GB</b>	<b>500666-B21</b>	<b>DRH1066RQ/16GB</b>	<b>1</b>
				<b>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 &amp; balancing memory across cartridges.</b>			
ProLiant DL585	[DDR266 PC2100 Memory Options]	128GB	32 <sup>1)</sup>	2GB	300680-B21	DRH370/2048	2
				4GB	300682-B21	DRH370/4096	2
				8GB	Not Offered by HP	DRH145/8GB	2
<p><sup>1)</sup> 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.</p>							
ProLiant DL585 G2		256GB	32 <sup>1)</sup>	8GB	408854-B21	DRH585G2/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
<p><sup>1)</sup> 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 interleaving. Kits must be installed in decreasing capacity with the largest kits installed in the banks furthest away from each processor.</p>							
ProLiant DL585 G5		256GB	32 <sup>1)</sup>	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
<p><sup>1)</sup> 32 DIMM slots (4 processor memory buses; 8 slots per processor memory bus) The DRH585G2x and associated 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.</p>							

**DATARAM MEMORY PRODUCTS FOR HP SYSTEMS**

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS	
ProLiant DL585 G6		256GB	32 <sup>1)</sup>	8GB	497767-B21	DRH800R/8GB	2	
				8GB	504351-B21	DRH800RLP/8GB	2	
				16GB	408855-B21	DRH585G2/16GB	2	
				64GB	495605-B21	DRH585G2/64GB	8	
<sup>1)</sup> 32 DIMM slots (4 processor memory buses; 8 slots per processor memory bus) The DRH585G2x and associated 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 <sup>1)</sup>	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	
ProLiant DL785 G5		512GB	64 <sup>1)</sup>	8GB	504351-B21	DRH800RLP/8GB	2	
				8GB	483403-B21	DRH585G2L/8GB	2	
				16GB	408855-B21	DRH585G2/16GB	2	
				64GB	495605-B21	DRH585G2/64GB	8	
<sup>1)</sup> The server supports 4 or 8 Processor Memory Cell Boards. Each Cell Board contains one processor socket and 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 associated 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 <sup>1)</sup>	8GB	483403-B21	DRH585G2L/8GB	2	
				16GB	408855-B21	DRH585G2/16GB	2	
				64GB	495605-B21	DRH585G2/64GB	8	
				8GB	497767-B21	DRH800R/8GB	2	
ProLiant DL785 G6		512GB	64 <sup>1)</sup>	8GB	504351-B21	DRH800RLP/8GB	2	
				8GB	483403-B21	DRH585G2L/8GB	2	
<sup>1)</sup> 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 associated 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 <sup>1)</sup>	
<sup>1)</sup> 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 <sup>1)</sup>	
<sup>1)</sup> 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 <sup>1)</sup>	
<sup>1)</sup> 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 <sup>1)</sup>	
<sup>1)</sup> 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	
				16GB	500666-B21	DRH1066RQ/16GB	1	
See DDR3 Note #2 at top of ProLiant Servers section								
				(1.35V)	4GB	604504-B21	DRH1333RL/4GB	1
				(1.35V)	8GB	604506-B21	DRH1333RL/8GB	1
<b>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.</b>								
ProLiant ML350 G4p	X3.0, X3.2, X3.4	16GB	6	4GB	343057-B21	DRH380G4S/4GB	2	
				8GB	348106-B21	DRH380G4D/8GB	2	
<sup>1)</sup> 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 <sup>1)</sup>	8	4GB	461828-B21	DRH667FBL/4GB	2	
				8GB	397415-B21	DRH667FB/8GB	2	
				8GB	466440-B21	DRH667FBL/8GB	2	
<sup>1)</sup> Maximum supported memory is 16GB for Dual-Core and 32GB on Quad-Core models. <sup>2)</sup> 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	
				16GB	500666-B21	DRH1066RQ/16GB	1	
See DDR3 Note #2 at top of ProLiant Servers section								
				(1.35V)	4GB	604504-B21	DRH1333RL/4GB	1
				(1.35V)	8GB	604506-B21	DRH1333RL/8GB	1
<b>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.</b>								

**DATARAM MEMORY PRODUCTS FOR HP SYSTEMS**

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 <sup>1)</sup>	4GB	461828-B21	DRH667FBL/4GB	2		
				8GB	397415-B21	DRH667FB/8GB	2		
				8GB	466440-B21	DRH667FBL/8GB	2		
				16GB	413015-B21	DRH667FB/16GB	2		
<sup>1)</sup> 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		
				16GB	500666-B21	DRH1066RQ/16GB	1		
See DDR3 Note #2 at top of ProLiant Servers section									
ProLiant ML570 G3		64GB	24 <sup>1)</sup>	4GB	343057-B21	DRH380G4S/4GB	2		
				8GB	348106-B21	DRH380G4D/8GB	2		
<sup>1)</sup> 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 <sup>1)</sup>	4GB	343057-B21	DRH380G4S/4GB	2		
				8GB	348106-B21	DRH380G4D/8GB	2		
				<sup>1)</sup> 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		
				16GB	500666-B21	DRH1066RQ/16GB	1		
	See DDR3 Note #2 at top of ProLiant Servers section								
					(1.35V)	4GB	604504-B21	DRH1333RL/4GB	1
					(1.35V)	8GB	604506-B21	DRH1333RL/8GB	1
	<b>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.</b>								
	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 associated 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		
				4GB	500658-B21	DRH1333R/4GB	1		
	ProLiant SL2x170z G6 <sup>1)</sup>				8GB	500662-B21	DRH1333R/8GB	1	
					8GB	516423-B21	DRH1066R/8GB	1	
					16GB	500666-B21	DRH1066RQ/16GB	1	
	<sup>1)</sup> 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.								
					(1.35V)	4GB	604504-B21	DRH1333RL/4GB	1
				(1.35V)	8GB	604506-B21	DRH1333RL/8GB	1	
<b>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.</b>									
<b>HP-UX WORKSTATIONS</b>									
C-Class	C8000	32GB	8	8GB	AB662A	DRHC8000/8GB	2		
<b>PROLIANT WORKSTATION BLADES</b>									
NEW	ProLiant WS460c G6	96GB	12	2GB	500656-B21	DRH1333R/2GB	1		
				4GB	500658-B21	DRH1333R/4GB	1		
	See DDR3 Note #1 at top of ProLiant Servers section				8GB	500662-B21	DRH1333R/8GB	1	
					8GB	516423-B21	DRH1066R/8GB	1	
					(1.35V)	4GB	604504-B21	DRH1333RL/4GB	1
					(1.35V)	8GB	604506-B21	DRH1333RL/8GB	1
<b>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.</b>									
<b>PERSONAL WORKSTATIONS</b>									
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.									

**DATARAM MEMORY PRODUCTS FOR HP SYSTEMS**

FAMILY	MODEL	MAX	SLOTS	CAPACITY	MFG #	DATARAM #	BOARDS
Z600		48GB <sup>1)</sup>	6	1GB	FX698AA, FX698UT	DRHZ600U/1GB	1
				2GB	FX699AA, FX699UT	DRHZ600U/2GB	1
				4GB	NL797AA	DRHZ600U/4GB	1
				4GB	FX621AA, FX621UT	DRHZ800R/4GB	1
				8GB	FX622AA	DRHZ800R/8GB	1
<sup>1)</sup> 24GB maximum with Unbuffered DIMMs; 48GB maximum with Registered DIMMs 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 <sup>1)</sup>	12	1GB	FX698AA, FX698UT	DRHZ600U/1GB	1
				2GB	FX699AA, FX699UT	DRHZ600U/2GB	1
				4GB	FX621AA, FX621UT	DRHZ800R/4GB	1
				8GB	FX622AA	DRHZ800R/8GB	1
				16GB	NL674AA	DRHZ800RQ/16GB	1
<sup>1)</sup> 24GB maximum using Unbuffered memory; 192GB using Registered memory. See DDR3 Note #1 at top of ProLiant Servers section							
xw4300		8GB	4	2GB	PV942A	DRHXW4306E/2GB	1 <sup>1)</sup>
<sup>1)</sup> 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 DDR-667							
xw4400		8GB	4	2GB	PV942A	DRHXW4306E/2GB	1 <sup>1)</sup>
<sup>1)</sup> 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 DDR-667							
xw4600		8GB	4	2GB	PV942A	DRHXW4306E/2GB	1 <sup>1)</sup>
				2GB	GH740AA	DRHXW4600/2GB	1 <sup>1)</sup>
<sup>1)</sup> 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 <sup>1)</sup>
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 <sup>1)</sup>	2GB	Not offered by HP	DRHXW9400S/2GB	1
				4GB	EV284AA	DRHXW9400/4GB	1
				8GB	EV285AA	DRHXW9400/8GB	1

<sup>1)</sup> 4 DIMM slots per processor socket. DIMMs must be ordered and installed in matched pairs.