

Premiere/PCI LC

User-Installable Upgrades

PLEASE NOTE

This motherboard product is no longer being manufactured by Intel.

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SYSTEM MEMORY

This table shows the possible memory combinations. Both SIMMs within a memory bank must be installed. The Premiere/PCI LC supports both parity and non-parity SIMMs, but they cannot be mixed within the same bank. Parity checking must be disabled using the BIOS Setup utility to support non-parity SIMMs in Banks 1 and 2. No parity checking is provided for the memory soldered on the baseboard as Bank 0. SIMM requirements are 70ns, Fast Page Mode, with tin-lead connectors.

SIMM 1,2 (Bank 1) SIMM Type (Amount)	SIMM 3,4 (Bank 2) SIMM Type (Amount)	Total System Memory
Empty	Empty	8MB (default)
256K X 36 (1 MB)	Empty	10MB
256K X 36 (1 MB)	256K X 36 (1 MB)	12MB
256K X 36 (1 MB)	512K X 36 (2 MB)	14MB
256K X 36 (1 MB)	1M X 36 (4 MB)	18MB
256K X 36 (1 MB)	2M X 36 (8 MB)	26MB
256K X 36 (1 MB)	4M X 36 (16 MB)	42MB
256K X 36 (1 MB)	8M X 36 (32 MB)	74MB
512K X 36 (2 MB)	Empty	12MB
512K X 36 (2 MB)	256K X 36 (1 MB)	14MB
512K X 36 (2 MB)	512K X 36 (2 MB)	16MB
512K X 36 (2 MB)	1M X 36 (4 MB)	20MB
512K X 36 (2 MB)	2M X 36 (8 MB)	28MB
512K X 36 (2 MB)	4M X 36 (16 MB)	44MB
512K X 36 (2 MB)	8M X 36 (32 MB)	76MB
1M X 36 (4 MB)	Empty	16MB
1M X 36 (4 MB)	256K X 36 (1 MB)	18MB
1M X 36 (4 MB)	512K X 36 (2 MB)	20MB
1M X 36 (4 MB)	1M X 36 (4 MB)	24MB
1M X 36 (4 MB)	2M X 36 (8 MB)	32MB
1M X 36 (4 MB)	4M X 36 (16 MB)	48MB
1M X 36 (4 MB)	8M X 36 (32 MB)	80MB
2M X 36 (8 MB)	Empty	24MB
2M X 36 (8 MB)	256K X 36 (1 MB)	26MB
2M X 36 (8 MB)	512K X 36 (2 MB)	28MB
2M X 36 (8 MB)	1M X 36 (4 MB)	32MB
2M X 36 (8 MB)	2M X 36 (8 MB)	40MB
2M X 36 (8 MB)	4M X 36 (16 MB)	56MB
2M X 36 (8 MB)	8M X 36 (32 MB)	88MB
4M X 36 (16 MB)	Empty	40MB
4M X 36 (16 MB)	256K X 36 (1 MB)	42MB
4M X 36 (16 MB)	512K X 36 (2 MB)	44MB
4M X 36 (16 MB)	1M X 36 (4 MB)	48MB
4M X 36 (16 MB)	2M X 36 (8 MB)	56MB
4M X 36 (16 MB)	4M X 36 (16 MB)	72MB
4M X 36 (16 MB)	8M X 36 (32 MB)	104MB
8M X 36 (32 MB)	Empty	72MB
8M X 36 (32 MB)	256K X 36 (1 MB)	74MB
8M X 36 (32 MB)	512K X 36 (2 MB)	76MB
8M X 36 (32 MB)	1M X 36 (4 MB)	80MB
8M X 36 (32 MB)	2M X 36 (8 MB)	88MB
8M X 36 (32 MB)	4M X 36 (16 MB)	104MB
8M X 36 (32 MB)	8M X 36 (32 MB)	136MB

Approved SIMM List

APPROVED SIMM LIST

The following tables list SIMMs that are known to be compatible with the Premiere/PCI Expandable Desktop. SIMMs that are not listed also should function properly as long as their specifications are compatible with the devices listed below. In general, SIMM devices that are faster than those specified for a given platform will work although no extra performance will be realized. The SIMM devices shown are categorized according to three levels of qualification:

- 1. Intel Approved and Tested:** The device has been electrically tested by Intel and is known to be compatible with the Premiere/PCI Expandable Desktop. In addition, the vendor has met or exceeded Intel's product change, quality control, and availability requirements and is listed on our Approved Manufacturing List.
- 2. Intel Tested:** The device has been electrically tested by Intel at ambient temperatures; running a series of Intel tests (PCDIAG) and applications.
- 3. Customer Tested:** The device has been electrically tested by a customer and is reported to be compatible with the specified platform(s).

Intel recommends that SIMMs listed as (1) *Intel Approved and Tested* or (2) *Intel Tested* be used to ensure reliable system operation. SIMMs not listed or listed as (3) *Customer Tested* can be used; but, in the event of unreliable system operation, the SIMMs should be replaced with SIMMs tested by Intel (1 or 2) to determine whether the SIMMs are causing the problem.

IMPORTANT NOTE

SIMM devices with gold contacts should NOT be placed into SIMM sockets with tin-lead contacts or vice-versa. Mixing dissimilar metal contact types has been shown to result in unreliable memory operation.

Telephone numbers are provided for your convenience. These were accurate as of September 1994, but may change at any time without notice.

**All Sizes: Tin-lead contacts, 70ns, Fast page
1M X 32 (4MB per SIMM), Non-parity**

Vendor	Qual	Part Number	Comments
Micron	1	MT8D132M-7	
Smart Modular Tech	1	SMI5321000-7	(800) 367-7330
Texas Instruments	1	Z124BBK325-70	
Toshiba	1	THM3210B0AS-70	
Hyundai	1	HM532100M-70	
Fujitsu LTD	1	MB85341A-70PS	
Samsung	1	KMM5321000BV-7	
Samsung	1	KMM5321000CV-7	

GRAPHICS DRAM

The Premiere/PCI LC baseboard can be upgraded to 2 MB of graphics DRAM by adding two 256KB x 16 fast page mode 70 ns DRAMs to the two 40-pin SOJ sockets at locations U10A1 and U11A1. Table A-2 lists several suppliers and their part numbers.

Supplier	Part Number
Fujitsu	MB814260-70PJ-ER
Hitachi	HM514260AJ-7T
Micron Tech	MT4C16257DJ-7TR
Mitsubishi	M5M44260AJ-7-T10
NEC	UPD42S4260LE-70ITR
NEC	UPD424260LE-70ITR
Samsung	KM416C256AJ-7T
Samsung	KM416C256BJ-7T
Toshiba	TC514260BJ-70(EL)

Table A-2. Sampling of Graphics DRAM Component Vendors