Premiere/PCI Baby-AT & Expandable Desktop User-Installable Upgrades

SYSTEM MEMORY

Table A-1 shows the possible memory combinations. The Premiere/PCI Baby-AT motherboard supports both parity and non-parity SIMMs, but they cannot be mixed within the same memory bank. SIMM requirements are 70ns, Fast Page Mode, with tin-lead connectors.

SIMM 1,2 (Bank 0) SIMM Type (Amount)	*SIMM 3,4 (Bank 1) SIMM Type (Amount)*	*Total System Memory*
256K X 36 (1 MB)	Empty	2 MB
256K X 36 (1 MB)	256K X 36 (1 MB)	4 MB
256K X 36 (1 MB)	512K X 36 (2 MB)	6 MB
256K X 36 (1 MB)	1M X 36 (4 MB)	10 MB
256K X 36 (1 MB)	2M X 36 (8 MB)	18 MB
256K X 36 (1 MB)	4M X 36 (16 MB)	34 MB
256K X 36 (1 MB)	8M X 36 (32 MB)	66 MB
512K X 36 (2 MB)	Empty	4 MB
512K X 36 (2 MB)	256K X 36 (1 MB)	6 MB
512K X 36 (2 MB)	512K X 36 (2 MB)	8 MB
512K X 36 (2 MB)	1M X 36 (4 MB)	12 MB
512K X 36 (2 MB)	2M X 36 (8 MB)	20 MB
512K X 36 (2 MB)	4M X 36 (16 MB)	36 MB
512K X 36 (2 MB)	8M X 36 (32 MB)	68 MB
1M X 36 (4 MB)	Empty	8 MB
1M X 36 (4 MB)	256K X 36 (1 MB)	10 MB
1M X 36 (4 MB)	512K X 36 (2 MB)	12 MB
1M X 36 (4 MB)	1M X 36 (4 MB)	16 MB
1M X 36 (4 MB)	2M X 36 (8 MB)	24 MB
1M X 36 (4 MB)	4M X 36 (16 MB)	40 MB
1M X 36 (4 MB)	8M X 36 (32 MB)	72 MB
2M X 36 (8 MB)	Empty	16 MB
2M X 36 (8 MB)	256K X 36 (1 MB)	18 MB
2M X 36 (8 MB)	512K X 36 (2 MB)	20 MB
2M X 36 (8 MB)	1M X 36 (4 MB)	24 MB
2M X 36 (8 MB)	2M X 36 (8 MB)	32 MB
2M X 36 (8 MB)	4M X 36 (16 MB)	48 MB
2M X 36 (8 MB)	8M X 36 (32 MB)	80 MB
4M X 36 (16 MB)	Empty	32 MB
4M X 36 (16 MB)	256K X 36 (1 MB)	34 MB
4M X 36 (16 MB)	512K X 36 (2 MB)	36 MB
4M X 36 (16 MB)	1M X 36 (4 MB)	40 MB
4M X 36 (16 MB)	2M X 36 (8 MB)	48 MB
4M X 36 (16 MB)	4M X 36 (16 MB)	64 MB
4M X 36 (16 MB)	8M X 36 (32 MB)	96 MB
8M X 36 (32 MB)	Empty	64 MB
8M X 36 (32 MB)	256K X 36 (1 MB)	66 MB
8M X 36 (32 MB)	512K X 36 (2 MB)	68 MB
8M X 36 (32 MB)	1M X 36 (4 MB)	72 MB
8M X 36 (32 MB)	2M X 36 (8 MB)	80 MB
8M X 36 (32 MB)	4M X 36 (16 MB)	96 MB
8M X 36 (32 MB)	8M X 36 (32 MB)	128 MB

Table A-1. Possible SIMM Memory Combinations

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.

Telphone numbers are provided for your convenience. These were accurate as of July 1995, 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
TI	1	TM124BBK32S-70	
Kelly	2	KMS10005D32-70	
Simple Technology	2	STI1000-70	(800)367-7330 x57
Unigen Corp.	2	1X32UG7SQT	(800) 826-0808, in CA (510) 657-2680

1M X 36 (4MB per SIMM), Parity

Vendor	Qual	Part Number	Comments
Samsung Corning Co.	1	KMM5361000B-7 KMM5361003C-7	408-954-7000
Smart Modular Tech.	1	SMI5361000-7	(800)367-7330
Toshiba	1	THM361020AS-70	
Enhanced Tech.	2	SCO136DT-70	
Kelly	2	KNI4000/486T	
Simple Technology	2	STM361020-70 STI361000-70T	(800)367-7330 x57
Unigen Corp.	2	1X36UG7DQT	(800) 826-0808, in CA (510) 657-2680
Viking Components	2	1X36-70	1-800-338-2361

2M X 32 (8MB per SIMM), Non-parity

Vendor	Qual	Part Number	Comments
Samsung Corning Co.	1	KMM5322000BV-7	408-954-7000
Toshiba	1	THM3220C0ASG-70	
Kelly	2	KMS20005D32-70	
Simple Technology	2	STI322000-70	(800)367-7330 x57
Unigen Corp.	2	2X32UG7DQT	(800) 826-0808, in CA (510) 657-2680
Viking Components	2	2X32-70	1-800-338-2361

2M X 36 (8MB per SIMM), Parity

Vendor	Qual	Part Number	Comments
Micron	1	MT24D236M-7	
Smart Modular Tech	1	SMI5362000-7	(800)367-7330
TI	1	TM248NBK36R-70	
Enhanced Tech.	2	SCO236DT-70	
Kelly Corp.	2	KNI8000/486T	
Simple Technology	2	STI362000-70T STI362020-70	(800)367-7330 x57
Unigen Corp.	2	2X36UG7DNT	(800) 826-0808, in CA (510) 657-2680
Viking Components	2	2X36-70	1-800-338-2361

4M X 32 (16MB per SIMM), Non-parity

Vendor	Qual	Part Number	Comments
Micron	1	MT8D432M-7	
Kelly	2	KMS40005D32	
Simple Technology	2	STI324000-70	(800)367-7330 x57
Unigen Corp.	2	4X32UG7SQT	(800) 826-0808, in CA (510) 657-2680
Viking Components	2	4X32-70	1-800-338-2361

4M X 36 (16MB per SIMM), Parity

Vendor	Qual	Part Number	Comments
Enhanced Tech.	2	SCO436DT-70	
Unigen Corp.	2	4X36UG7DQT	(800) 826-0808, in CA (510) 657-2680
Viking Components	2	4X36-70	1-800-338-2361

8M X 32 (32MB per SIMM), Non-parity

Vendor	Qual	Part Number	Comments
Kelly	2	KMS80005D32-70	
Simple Technology	2	STI328000-70T	(800)367-7330 x57
Unigen Corp.	2	8X32UG7DQT	(800) 826-0808, in CA (510) 657-2680
Viking Components	2	8X32-70	1-800-338-2361

8M X 36 (32MB per SIMM), Parity

Vendor	Qual	Part Number	Comments
NEC	1	MC42800036BH-70	
Enhanced Tech.	2	SCO836DT-70	
Kelly	2	KMS80005D36	
Viking Components	2	8X36-70	1-800-338-2361