

Chapter 8

MEMORY COMPATIBILITY TEST

Different memory modules were tested for compatibility. The testing configuration are as follows:

BIOS	W550MS V1.5B4
CPU	AMD®K6/233 MHZ
Cache	512KB (W25P240AF-6)
VGA Card	SiS 5597 PCI VGA Card (on board)
Hard Disk	Fujitsu M1638TAU (2.5GB) IDE HardDisk
CD-ROM	Sony CDU-511 16X IDE CD-ROM
FDD	NEC FD1231H 1.44MB FDD x 1
Mouse	Microsoft Mouse (PS/2)
PSU	TIGER TG-2506-C

Memory Modules Tested

Manufacturer	Model Number	Type	Size	Result
Fujitsu	81117822A-100	SDRAM	8MB	OK
Fujitsu	81117822A-100	SDRAM	16MB	OK
Hitachi	51W18165TT6	EDO	32MB	OK
Hitachi	HM5216805TT10	SDRAM	32MB	OK
Hitachi	HM5216805TT10H	SDRAM	32MB	Fail
Hyundai	HYM5V64804 TFG	EDO	64MB	OK
Hyundai	HY57V168010A	SDRAM	16MB	OK
Hyundai	HYM7072A801-TFG	SDRAM	64MB	OK
LG	GM71VS17803BLT6	EDO	16MB	OK
LG	GM72V16821BT10K	SDRAM	16MB	OK

Manufacturer	Model Number	Type	Size	Result
LG	GM72V16821BT10K (ECC)	SDRAM	16MB	OK
LG	GM72V16821BT10K	SDRAM	32MB	OK
LG	GM72V16821CT10K	SDRAM	32MB	Fail
Mitsubishi	M5M4V16S30CTP-12	SDRAM	16	OK
Mitsubishi	M5M4V64S40ATP	SDRAM	64	OK
NEC	D4516161G5-A12-7JF	SDRAM	8	OK
NEC	D4516161G5-A12-7JF	SDRAM	16	OK
NEC	D4516821G5-A12-7JF	SDRAM	16	OK
NEC	D4516821G5-A12-7JF	SDRAM	32	Fail
NEC	D4516821AG5	SDRAM	32MB	OK
SEC	KM44V4104BS-L6	EDO	64MB	OK
SEC	KM416S1120AT-G10(2*8)	SDRAM	16MB	OK
SEC	KM416S1120AT-G10(1*16)	SDRAM	16MB	OK
SEC	KM48S2020AT-G10	SDRAM	16MB	OK
SEC	KM48S2020AT-G12	SDRAM	32MB	OK
SEC	KM48S2020BT-G10	SDRAM	32MB	OK
SEC	KM44S4020AT-G10(4*4)	SDRAM	32MB	OK
SEC	KM44S4020AT-G12(4*4)	SDRAM	32MB	OK
TI	TMX626812BDGECC	SDRAM	16MB	OK
Toshiba	TC59S16016AFT-10	SDRAM	16MB	Fail
Toshiba	TC59S1608AFT-10	SDRAM	32MB	Fail
Toshiba	TC59S1608AFT-10 (ECC)	SDRAM	32MB	OK
Vanguard	VG26V17405CJ-6	EDO	32MB	OK

Note: Hitachi (HM5216805TT10H) and LG (GM72V16821CT10K) will be unstable.
Toshiba (TC59S1616AFT-10/TC59S1608AFT-10) generates garbage.
NEC 16-bit SDRAM (D4516821G5 part number and 97xxLxxxx lot number have many data conflict with the chipset.) NEC declared a new 4th generation 16M-bit SDRAM (D4516821AG5) that don't have this problem .