

PLEASE NOTE

This motherboard product is no longer being manufactured by Intel.

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Classic E Expandable Desktop Memory Map / Interrupts / Specs

Memory Map

<i>Address Range (Decimal)</i>	<i>Address Range (hex)</i>	<i>Size</i>	<i>Description</i>
16384K-32768K	1000000-2000000	16384K	Extended Memory
16256K-16383K	FE0000-FFFFFF	128K	System & Video BIOS Copy
1024K-16255K	100000-FDFFFF	15232K	Extended Memory
960K-1023K	F0000-FFFFF	64K	Phoenix System BIOS
952K-959K	EE000-EFFFF	8K	BIOS Reserved
948K-951K	ED000-EDFFF	4K	BIOS Reserved
928K-947K	E8000-ECFFF	20K	Phoenix Setup Program (message disable via setup pre-boot only; with this option open to himem after boot)
896K-927K	E0000-E7FFF	32K	BIOS Reserved
800K-895K	C8000-DFFFF	96K	User available
768K-799K	C000-C7FFF	32K	User available (many VGA cards use for video BIOS)
736K-767K	B8000-BFFFF	32K	VGA Display Memory (available unless VGA card present)
704K-735K	B0000-B7FFF	32K	VGA & Mono Display Mem (user available if no VGA/Mono)
640K-703K	A0000-AFFFF	64K	VGA Display Memory (available if no VGA present)
639K	9FC00-9FFFF	1K	Extended BIOS Data (moveable by QEMM,386MAX)
512K-638K	80000-9FBFF	127K	Extended conventional
0K-511K	00000-7FFFF	512K	Conventional

System Interrupts

<i>IRQ</i>	<i>System Resource</i>
NMI	Parity Error
0	Reserved, Interval Timer
1	Reserved, Keyboard buffer full
2	Reserved, Cascade interrupt from slave PIC
3	On-board Serial Port 2
4	On-board Serial Port 1
5	User available
6	On-board Floppy controller

7	On-board Parallel Port
8	Real Time Clock
9	User available
10	User available
11	User available
12	User available
13	Reserved, Math coprocessor
14	IDE if enabled
15	User available

Environmental Standards

Parameter	Condition	Specification
Temperature	Non-Operating	-40°C to +70°C
	Operating	+10°C to +35°C
Humidity	Non-Operating	<u>95% Relative Humidity max. @ 35°C</u>
	Operating, no hard disk	85% RH max.
	Operating, w hard disk	Not to exceed 26°C wet bulb
Altitude	Non-Operating	50,000 feet (15,240 meters)
	Operating	10,000 feet (3048 meters)
ESD	1.0kV	No Errors
	2.5kV	No Errors
	5.0kV	5% Soft Errors, 0% Hard Errors, No physical damage
	7.5kV	10% Soft Errors, 0% Hard Errors, No physical damage
	10.0kV	25% Soft Errors, 5% Hard Errors, No physical damage
	12.5kV	50% Soft, 10% Hard, No physical damage
	15.0kV	100% Soft, 25% Hard, No physical damage
Shock	Non-Operating	30.0G, 11ms, 1/2 sine
	Acoustical Noise	1 meter, peripherals idle <u>Less than 41 dB max.</u>

SAFETY CERTIFICATIONS

Underwriters Laboratories	<u>UL1950 1st edition</u>	Listed
Canadian Standards Assn.	CSA C22.2 No.950-M89	Certified
TUV Rheinland of N.A.	EN 60 950-1988 + A1/A2	Certified
NEMKO (Norway) (includes SEMKO, Sweden, SETI, & Finland Certifications)	EN 60 950-1988 + A1/A2	Certified

EMI CERTIFICATIONS

Federal Communications Commission	CFR 47, Parts 2 and 15 Class B	Authorized
German Post Office	CISPR 22, Class B	Registered to Vfg. 243/1991
Canadian Dept. of Comm.	C.R.C., c.1374, Class B	Compliant
Voluntary Control Council	Class 2 I.T.E.	Registered
VDE (Germany)	VDE 0871 Class B	Tested/Compliant
NEMKO (Norway) (includes SEMKO, Sweden, SETI, & Finland Certifications)	EN 55 022, Class B	Certified

Reliability Data

The Mean-Time-Between-Failures (MTBF) data is calculated from predicted data @ 35C and 55C.

<u>Classic E-Series baseboard (4 MB)</u>	<u>141,834 hours @ 55°C, 100% duty cycle</u>
<u>Power Supply (Astec SA201-3440)</u>	<u>100,000 hours @ 50°C, 100% duty cycle</u>
<u>Floppy drive (Teac FD-235HF-4240)</u>	<u>30,000 hours @ 50°C, 100% duty cycle</u>
<u>Classic E-Series system (4 MB, floppy)</u>	<u>82,772 hours @ 35°C</u>

Physical Specifications

SYSTEM

<i>Height</i>	15.875 cm	6.25" (with feet installed)
<i>Width</i>	41.529 cm	16.35"
<i>Depth</i>	42.545 cm	16.75"
<i>Weight</i>	9.55 kg	21 lbs (floppy installed)

BOARD

<i>Length</i>	33.1216 cm	13.040"
<i>Width</i>	21.8948 cm	8.62"
<i>Height (no heatsink)</i>	2.921 cm	<u>1.15" including 4MB SIMM.</u> *
<i>Weight</i>		1.42 pounds

*measured from the bottom of the PBA (not including the pins sticking out) to the top of an installed SIMM module.

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