

Express-MC800

Intel® Core™ 2 Duo Processor COM Express™ module with High End Graphics❖



Features

- Intel® Core™ 2 Duo processor, (up to 2.2 GHz)
- Intel® GM965 chip
- Up to 4 GB DDR2 667 MHz SDRAM
- Five PCI Express® x1, one PCIe® x16 graphic (or x8)
- Dual-24-bit LVDS, TV-out
- SATA-300, PATA, Gigabit LAN, USB 2.0

Ordering Information

Express-MC800-T7500	COM Express™ Module with Intel® Core™ 2 Duo CPU at 2.2 GHz with 4 MB L2 Cache
Express-MC800-L7500	COM Express™ Module with Intel® Core™ 2 Duo low voltage CPU at 1.6 GHz with 4 MB L2 Cache
Express-MC800-550	COM Express™ Module with Intel® Celeron® M CPU 2.0 GHz with 1M L2 Cache



COM 
Express

Specifications

Core

CPU	Intel® Core™ 2 Duo CPU up to 2.2 GHz Intel® Celeron® M CPU up to 2.0 GHz
Chipset	Intel® GM965 with ICH8M (DO opt.)
Memory	Two SO-DIMM socket memory, up to 4 GB of non-ECC, unbuffered, 533/667 MHz DDR2 memory
L2 Cache	Depends on processor type, 2 MB (Celeron® M), 4 MB (Core™ 2 Duo)
BIOS	AMIBIOS® 8 with CMOS backup
Hardware Monitor	Supply Voltages and CPU temperature
Watchdog Timer	Programmable timer ranges to generate RESET
Expansion	Five PCI-Express® x1 (or 1 x4) on ICH8 One PCIe® x16 (or x8/x4/x1) on GMCH Four PCI™ 2.3 Masters at 33 MHz, 32-bit SMBus I²C

Multi I/O

IDE (PATA)	One channel, two devices
SATA	Three SATA-300 ports (opt. RAID0/1)
USB	Supports up to eight ports v. 2.0

Audio

Chipset	Integrated in Intel® ICH8M
Audio Codec	Supports HD Audio 24-bit (Azalia)

Video

Chipset	GM965 GMCH integrated chipset supports dual-independent displays
CRT Interface	Analog CRT support up to 2048 x1536 resolution
LVDS Interface	Single/dual-channel 18/24 bit LVDS
TV-out	NSTC/PAL up to 1024 x 768 resolution supported HDTV 480p/720p/1080i/1080p modes support
External graphics bus	PCI Express® x 16 graphics port, or dual-SDVO ports

Ethernet

Chipset	ICH8M integrated GbE MAC with Intel® 82566 PHY
Interface	10/100/1000 Mbps with Wake-on-LAN and Alert on LAN support

Mechanical and Environmental

Form factor	COM Express™ basic form factor, type 2
Dimensions	95 x 125 mm
Operating Temp.	0°C to 60°C
Storage Tempe.	-20°C to 80°C