M-845EG

Socket 478 ATX Industrial Motherboard for Pentium® 4/Pentium® 4-M/Celeron® Processor with VGA/GbE



Features

- *Socket 478 for Intel® Pentium® 4/Celeron™ Processor, up to 3.06GHz or Socket 478 for Intel® Pentium® 4 Mobile Fan-less Processor, up to 2.4GHz*
- *Intel® 845E Chipsets, 400/533 MHz FSB*
- *Dual Intel® 82541 Gigabit Ethernet, support 10/100/1000 Base-TX Ethernet*
- *AC'97 Audio, 6 x USB 2.0 ports, 2 x COM ports*
- *1 x AGP/4 x PCI/3 x ISA Slots*
- *WatchDog Timer & Hardware monitoring function*

Ordering Information

M-845EG	ATX P4 Industrial MB i845E w/ ICH4, Dual GbE/USB2.0

Specifications

CPU / Core Logic

CPU/Cache	Intel Socket 478 FC-PGA Pentium 4 (supports 2.4GHz to 3.06GHz and higher)
	Intel Socket 478 FC-PGA Mobile Pentium 4 (supports 1.4GHz to 2.4GHz and higher)
FSB	533/400MHz
Chipset	Intel® 845E Integrated Gfx Memory Control Hub (GMCH) with ICH4
BIOS	Award 4Mb flash memory
RAM	Two 184-pin DDR DIMM sockets, Max. 2GB un-buffered DDR266 SDRAM

VGA

VGA	On board ATI RageXL PCI Controller for basic display
	Support 1 AGP 4X Slots for high performance display

Ethernet

Ethernet	Dual Intel® 82541 Gigabit LAN, for 10/100/1000 Base-TX Ethernet
	Support WOL

I/O Interfaces

IDE	ATA-100, dual channels
Floppy	Standard 34-pin connector.
USB	Support 6 x USB 2.0 ports, four USB ports on rear panel
	2 x USB ports by pin-headers, optional USB cable with bracket
Keyboard & Mouse	Staked connector for PS/2 type keyboard/mouse
	1 x 6-pins connector for external keyboard/mouse
Super I/O	Winbond W83627HF
	1 x IrDA by 5-pin pin-header
	1 x SPP/EPP/ECP parallel port
	COM1: RS-232
	COM2: RS-232 or RS-422/485 (jumper selectable)
Hardware Monitoring	Winbond® W83627HF chip, monitoring for CPU and system temperature, voltage and fan speed
Watchdog Timer	256 Levels, software programmable
Audio	Integrated Audio Controllers with AC'97 Interface
External Power Connector	One ATX type connector
Extension slot	1 x AGP slot
	4 x PCI slots
	3 x ISA slots

Mechanical and Environmental

Form Factor	Standard ATX Motherboard
Dimensions	305 x 220mm (L x W)
Operating Temp.	0 to 60˚C
Storage Temp.	-20 to 80˚C
Relative humidity	10% to 90% (Non-Condensing)
Certificate or Test	CE, FCC class A

All specifications are subject to change without further notice.

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