

Micro ATX motherboard

P4ELA

Support Intel® Core™ 2 Quad with DDRIII
VGA , 2 x Gigabit LAN , SATA with RAID
12 x USB 2.0 , 6 x COM , HD Audio , GPIO
PCI-Express X16 / X4 , PCI and ISA Slot



Form Factor	Micro ATX
CPU	Support Intel® Core™ 2 Quad /Core™ 2 Duo / Celeron® processor Package type: LGA 775 Front side bus: 800/1066/1333MHz Dual core, EM64T support
Memory	4 x DDRIII 800/1066 MHz SDRAM up to 8GB
Chipset	Intel® Q45 Express Chipset & ICH10DO (Option Intel® G45 Express Chipset & ICH10)
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
VGA Interface	Intel® integrated extreme GMA4500 (Graphic Media Accelerator) Technology
Video Memory	Up to 1024MB shared with system memory
Serial ATA Interface	6 x Serial ATAII interface with 300MB/s transfer rate Support RAID 0, 1, 5, 10 and Intel® Matrix Storage Technology
Audio Interface	Intel® integrated with Realtek ALC888 HD Audio
LAN Interface	2 x Intel® 82574L Gigabit LAN
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCI-Express X16, 1 x PCI-Express X4 1 x Mini-PCI, 2 x PCI and 1 x ISA slots.
Internal I/O Port	3 x RS232, 1 x Parallel port, 1 x FDD, 1 x GPIO, 1 x IrDA, 8 x USB, 1 x SMBUS, 1 x Front Audio, 1 x CDIN
External I/O Port	2 x RS232, 1 x RS232/422/485, 2 x LAN, 1 x VGA, 1 x PS/2, 4 x USB 2.0 1 x SPDIF, 1x Audio
Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible) Standard 4-pin 12V power Input
Dimension	244mm x 244mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

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Ordering Code

P4ELA	Support Intel® Core™ 2 Quad LGA775 with DDRIII, Onboard VGA, Dual Intel® Gigabit LAN 12 x USB2.0, HD Audio, 6 x COM , GPIO, SATA, PCI-Express, PCI & ISA slots
MP-6421	Mini-PCI card with 1 x 44-pin Ultra DMA 33 IDE interface supports up to 2 ATAPI devices & 1 x Compact Flash Type-II socket and 2 x Serial ATA interface
MP-323	Mini-PCI card support 3 x IEEE 1394 interface
MP-6100	Mini-PCI H.264 video capture card support 4-ch Video & Audio inputs with SDK provide
PCIE-SDVOD	PCI-Express module support 1 x DVI interface
PCIE-SDVOX	PCI-Express module Support 18/24-bit , Dual channel LVDS interface

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