

Industrial Motherboard



Full Size ATX motherboard

P4LA

Support Intel Pentium 4 LGA775 with DDRII
Onboard VGA, 1 x Marvell Gigabit LAN
8 x USB2.0, Realtek ALC880 HD Audio
6 x COM Ports , GPIO , SATA, ISA Slot



Form Factor	Full size ATX motherboard
CPU	Support Intel Pentium 4 /Pentium D and Celeron D processor Package type: PLGA 775 Front side bus: 533/800/1066MHz Dual core,EM64T supported
Memory	4 x DDRII 533/667MHz SDRAM up to 4GB
Chipset	Intel 945G & ICH7R
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
PCI Enhanced IDE	One 40-pin UltraATA100 IDE interface supports up to 2 ATAPI devices
VGA Interface	Intel integrated extreme GMA950 (Graphic Media Accelerator) Technology
Video Memory	Up to 224MB shared with system memory
Serial ATA Interface	4 x serial ATAII interface with 300MB/s transfer rate
Audio Interface	Intel integrated with Realtek ALC880 HD Audio
LAN Interface	Marvell E8053 Gigabit LAN
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Solid State Disk Interface	Onboard 32-pin DIP JEDEC DiskonChip Socket. IDE supports 40-Pin DiskOnModule with +5V power supply. Compact Flash Card socket Type II.
Extended Interface	Onboard one x16 PCI-Express , one x4 PCI-Express ,one x1 PCI-Express slot . Four PCI slot and one ISA slot.
Internal I/O Port	4 x RS232 port ,1 x RS232/422/485, 1 x FDD port,1 x IDE port ,1 x GPIO port, 1 x CDIN connector, 4 x USB ports, 1 x IrDA connector , 1 x Audio connector 1 x SPDIF.
External I/O Port	1 x RJ45 LAN port, 1 x DB15 VGA port ,1 x PS/2 Keyboard/Mouse Port, 4 x USB2.0 ports, 1 x Parallel Port, 1 x serial Port Line-in, Front, MIC-in, surround, center, Backsurround.

Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible) Standard 8-pin 12V power Input connector (4-pin is compatible)
Dimension	307mm x 244mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

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For further product information please visit the website at <http://www.commell.com.tw>

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