

Industrial Single Board Computer

Micro ATX Industrial motherboard PMCAE

Intel Core 2 Duo/Core Duo processor
Onboard VGA, LVDS, 2 x Giga LAN, 2 x PCI slot,
1 x Mini PCI, ATA100 IDE and Compact Flash socket



Form Factor	Micro ATX Industrial motherboard
CPU	Support Intel Core 2 Duo/Core Duo/ Core solo Processor Package type: Micro-FCPGA478 Front side bus: 533/667MHz
Memory	2 x DDRII 533/667MHz SDRAM up to 3GB
Chipset	Intel 945GME & ICH7M
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
VGA Interface	Intel integrated extreme GMA 950(Graphic Media Accelerator) Technology
Video Memory	Up to 224MB shared with system memory
LVDS interface	Onboard 18-bit dual channel LVDS connector
PCI Enhanced IDE	One 40-pin UltraATA100 IDE interface supports up to 2 ATAPI devices
Serial ATA interface	2 x serial ATA interface with 150MB/s transfer rate
Solid State Disk	Onboard 32-pin Disk on Chip Socket. IDE supports 40-Pin Disk On Module with +5V power supply One Compact Flash Type II
Audio Interface	Intel ICH7-M integrated with Realtek ALC880 HD Audio
LAN Interface	2 x Intel 82573L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCIE x16 slot, 1 x PCIE slot, 1 x Mini-PCI socket , 2 x PCI, 1 x ISA slot
Internal I/O Port	4 x RS232, 1 x IrDA, 1 x GPIO, 1 x AUDIO, 1 x CDIN, 1 x LVDS, 1 x FDD 1 x LCD Inverter, 4 x USB2.0, 1 x 40-pin IDE, 1 x SPDIF, 1 x LPT
External I/O Port	1 x PS2, 1 x Audio , 1 x VGA, 2 x RJ45, 4 x USB2.0, 1 x RS232, 1 x RS232/422/485
Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible)
Dimension	244mm x 244mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

PMCAE Support Intel Core 2 Duo/Core Duo processor with onboard VGA, AUDIO, ISA, SATA, Giga LAN, USB2.0, LPT, CF, GPIO, LVDS, Mini PCI

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