

Industrial Single Board Computer

Micro ATX Industrial motherboard

PMSA

Intel Core 2 Duo Mobile processor

Onboard VGA, LVDS, Giga LAN, PCIE

PCI, Mini PCI, USB2.0, SATA, ISA , COM

HD Audio and Compact Flash



Form Factor	Micro ATX Industrial motherboard
CPU	Support Intel Core 2 Duo Mobile processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 533/800MHz
Memory	2 x 200-pin DDR2 SO-DIMM up to 3GB Non-ECC, unbuffered memory supported only
Chipset	Intel GME965 & ICH8M
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/sec ~ 255min/sec
Power Management	ACPI 1.0 compliant, supports power saving mode
VGA Interface	Intel integrated extreme GMA X3100 (Graphic Media Accelerator)
Video Memory	Up to 384MB shared with system memory
LVDS interface	Onboard 24-bit dual channel LVDS interface
Serial ATA interface	3 x Serial ATA interface with 300MB/s transfer rate
Solid State Disk	One Compact Flash Type II socket
Audio Interface	Intel ICH8M integrated with Realtek ALC888 Codec
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 x1 slot, 1 x Mini-PCI socket 2 x PCI slots and 1 x ISA slot
Internal I/O Port	1 x RS232 /422 /485, 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, 6 x USB2.0, 1 x 40-pin IDE, 1 x LPT, and 1 x HDTV
External I/O Port	1 x VGA, 2 x RJ45, 4 x USB2.0, 1 x AUDIO, 1 x SPDIF 1 x PS2, 2 x 1394, 1 x SPDIF and 1 x RS232
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

PMSA Support Intel Core 2 Duo processor with onboard VGA, AUDIO, SATA, CF Giga LAN, USB2.0, LPT, GPIO, LVDS, PCIE, PCI, Mini PCI, 1394 and ISA