

Industrial Mother Board

IP-M915A

Intel® Pentium® 4 / Celeron® D Processor based ATX Industrial Motherboard
with VGA, Fast Ethernet, SATA, Audio, COM & USB



Kernel Specs

- Intel® Pentium® 4 / Celeron® D Processor in an LGA775 Socket
- Intel® 915GV Chipset, 800/533 MHz FSB
- Dual-channel DDR2 Memory Architecture
- Integrated Intel® GMA 900 Graphics
- 10/100Base-TX Ethernet
- Four SATA 150 Devices
- Four COM Ports, Eight USB 2.0 Ports
- Two PCI-E x1, Five PCI Slots

Specifications

System

CPU	Intel® Pentium® 4 / Celeron® D processor in the LGA775 package
FSB	800/533 MHz
BIOS	Award BIOS with 4 Mb Flash EEPROM
System Chipset	Intel® 915GV + ICH6
I/O Chip	Winbond® W83627HG I/O controller
System Memory	2 x 240-pin DIMM sockets Dual-channel DDR2 400/533 SDRAM Max. up to 2 GB memory
Storage	1 x Parallel ATA IDE port with UDMA 33, ATA-66/100 support 4 x Series ATA 150 ports
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats.
Expansion	2 x PCI-E x1, 5 x PCI slots

MIO

Internal I/O	1 x IrDA, 1 x Floppy, 1 x RS-232, 2 x RS-232/422/485, 4 x USB2.0, 1 x 6-pins connector for extend KB & Mouse
Back Panel I/O	1 x VGA, 1 x Audio jack, 1 x RJ-45, 1 x Parallel, 1 x RS-232, 4 x USB 2.0, 1 x KB, 1 x Mouse

Display

Graphics Controller	Intel® 82915GV Integrated GMA 900 Graphics
Display Memory	Intel® DVMT 3.0 supports up to 128 MB video memory
Resolution	Analog display : up to 2048 x 1536 @ 85Hz (QXGA) Flat Panels : up to 2048 x 1536 @ 85Hz
Display Interface	DSUB-15 connector for VGA output

Audio

AC97 Codec	Realtek ALC655 5.1CH audio codec
Audio Interface	MIC in , Line in, CD Audio in , Line out

Ethernet

Controller	Intel® 82562GT Ethernet Controller
Ethernet Interface	IEEE 802.3 10BASE-T/100BASE-TX

Mechanical & Environmental

Power Requirement	+5 V @ 5 A, +12 V @ 12 A, +3.3 V @ 8 A, -12 V @ 100 mA, 5 VSB @ 1 A
Power Type	24-pin ATX power connector, 1 x 4-pin ATX 12V power connector
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	10%~90% relative humidity, noncondensing
Size (L x W)	12" x 8.7" (305 mm x 220 mm)
Weight	1.44 lb (650 g)

Ordering Information

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Drawing

