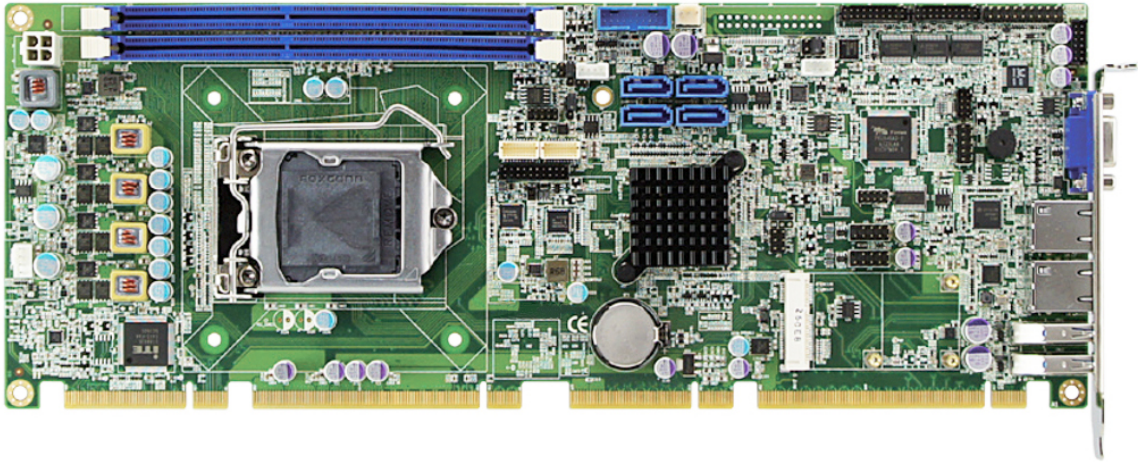


Transduction

Intel Core i7/i5/i3 Processor up to 3.8GHz

TR-1004

TR-1004 Industrial PICMG 1.3 System Host Board



Features

- 4th Generation Intel Core i7/i5/i3 Pentium QC/DC processor up to 3.8GHz in LGA1150 package.
- 2 x DDR3 1066/1333MHz DIMM sockets, supports up to 16GB memory.
- Intel processor integrated graphics device. Supports CRT and DVI-D.
- 24-bit dual channel LVDS.
- Dual Gigabit LAN RJ-45 ports.
- Multiple I/O functions: 4 x USB 3.0, 5 x USB 2.0, 4 x COM and 4 x SATA-III ports.
- Expansion slots: 1 x mini PCI-E
- iSMART 3.0 - auto-scheduler, power resume and low temperature guardian.
- Watchdog time, digital I/O, iAMT (9.0) and TPM (1.2)
- Realtek ALC662 high-definition audio chip on board.
- 0 ~ 50°C operating temperature with full software load.
- Standard PICMG 1.3 form factor.
- Actual MTBF >100,000 hours
- Warranty 3 years

TR-1004

Specification

Processor

- 4th Generation Intel Core i7/i5/i3, Pentium QC/DC processors, up to 3.8GHz

Processor Socket

- LGA1150

Chipset

- Intel Q87 PCH

Memory

- 2 x DDR3 sockets, upto 16GB 1066/1333MHz SDRAM, non-ECC

BIOS

- AMI BIOS, ACPI supported

Gigabit LAN

- Intel I217LM Gigabit LAN PHY; Intel I211AT PCI-E Gigabit LAN; RJ-45 on board

Video

- 4th Generation Intel Core integrated graphics, 1024MB max. shared memory
- Supports VGA CRT and 24-bit dual channel LVDS

On Board I/O

- Fintek F81846AD-1
- 1 x RS-232/422/485 and 3 x RS-232
- 4 x SATA-III
- 2 x USB 3.0 on board, 2 x USB 3.0 and 4 x USB 2.0 via pin header, 1 x USB 2.0 via Mini PCI-E

Digital I/O

- 4 in and 4 out

Expansion Slots

- 1 x Mini PCI-E

Audio

- Intel Q87 chipset built-in HD audio with Realtek ALC662 codec for 5.1 channel output

Hardware Monitoring

- Monitors system/CPU temperature and voltage status

Watch-Dog Timer

- Generates system reset; 256 levels

Operating Temperature

- 0 ~ 60°C (32 ~ 140°F)
- Relative humidity 10 ~ 90%, non-condensing

Storage Temperature

- -20 ~ 80°C (-4 ~ 176°F)

Form Factor

- 338mm (L) x 126mm (W) (13.31" (L) x 4.96" (W))
PICMG 1.3 compliant

Power Requirements

- One ATX 4 pin 12V connector for CPU power

Compatible with Windows 7 and Windows 8

Warranty: 3 years