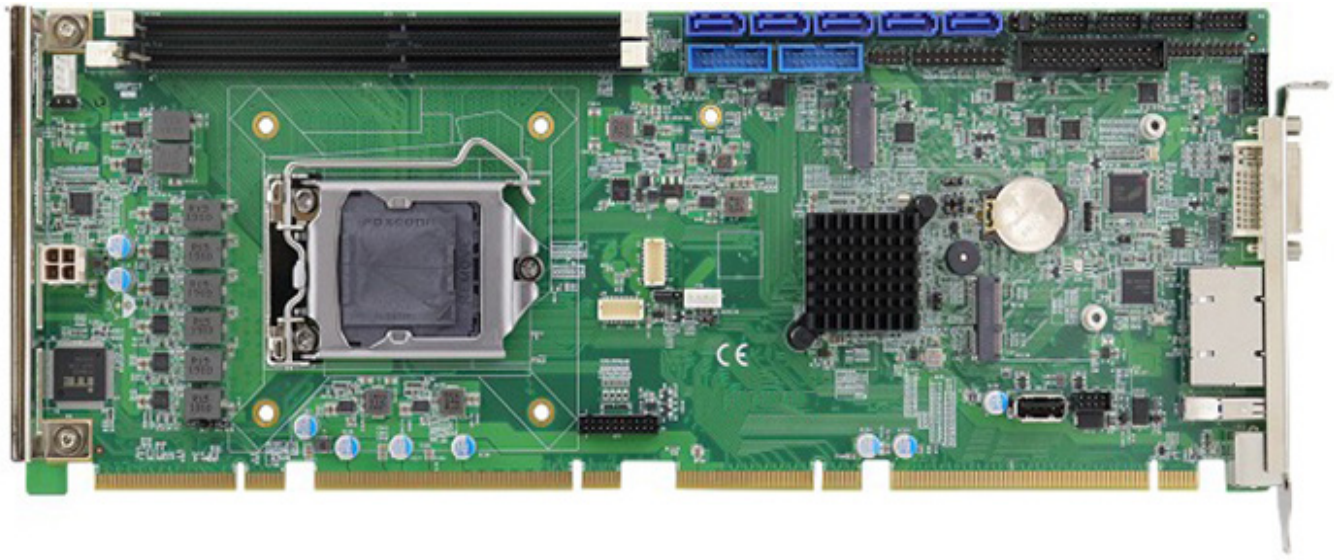
Transduction

Intel Core 9th Gen. i7 and i5 Processor

TR-995

TR-995 Industrial PICMG 1.3 Single Board Computer



Features

- Supports 8th and 9th Generation Intel i5/i7 processors with integrated UHD P630 graphics, LGA 1151 socket.
- 2 x DDR4 2166/2400MHz DIMM sockets, supports up to 32GB memory.
- Intel Q370 PCH, long term supply until 2032.
- Dual Intel Gigabit LAN maximize communication bandwidth.
- Intel PCH built-in HD audio controller + Realtek ALC662 w/ 5.1 channel.
- Multiple I/O functions: 5 x USB 3.0, 3 x USB 2.0, 4 x COM, 3 x SATA, TPM 2.0, 1 x DVI-D, 1 x DVI-I, M.2 socket, (M/E key) and 1 DIO.
- 3 x SATA-II ports support RAID 0/1/5, AHCI and Legacy IDE mode.
- Connector for PS/2 keyboard and mouse.
- Standard PICMG 1.3 factor.
- Programmable watchdog timer for 1 ~ 255 seconds.
- 0 ~ 60ºC (32 ~ 140ºF) operating temperature with full software load.
- Actual MTBF >100,000 hours

TRANSDUCTION 5155 Spectrum Way, Bldg 23, Mississauga, ON L4W 5A1
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Specification

Processor
- 8th and 9th generation Intel i5 6-core and i7 8-core processors, up to 4.7GHz

Processor Socket
- LGA1151

Chipset
- Intel Q370 PCH - available until 2032

Memory
- 2 x DDR4 sockets, up to 32GB (ECC compatible) 2400/2166MHz dual channel

BIOS
- AMI BIOS

Gigabit LAN
- 1st LAN - Intel I219LM
- 2nd LAN - Intel I210AT

Video
- Intel UHD graphics P630
- 1 x DVI-I connecotr on rear panel
- 1 x DVI-D header connector with cable to rear panel

On Board I/O
- Fintek F81964D-I super I/O chip
- 4 x COM ports, COM 1 is RS232/422/485 jumper-less selectable
- LPT port pin header
- Digital IO 4-in and 4-out
- 5 x USB3.1 and 3 x USB2.0 onboard pin header, 4 x USB2.0 to backplane
- TPM2.0
- 1 x M.2 E2230 E-key supports CNVi
- iAMT (11.6)

Storage
- 3 x SATA-II ports support RAID 0/1/5
- 1 x M.2 M2280 slot NVMe

Audio
- Build HD audio with Realtek ALC662

Watch-Dog Timer
- Programmable watchdog timer for 1 ~ 255sec.

CMOS
- On-board RTC with 242 bytes of battery-back CMOS RAM

Cooling
- One CPU cooling fan connector near CPU socket

Operating Temperature
- 0 ~ 60ºC (32 ~ 140ºF)
- Relative humidity 5 ~ 95%, non-condensing

Storage Temperature
- -20 ~ 80ºC (-40 ~ 176ºF)

Form Factor
- 338.6mm (L) x 126.4mm (W) (13.33” (L) x 4.98” (W)) PICMG 1.3 compliant

Power Requirement
- ATX power mode via backplane

Compatible with Windows 10 (64-bit), Linux Ubuntu (64-bit)

Warranty: 3 years / 5 years + 10% initial cost only in Transduction chassis

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