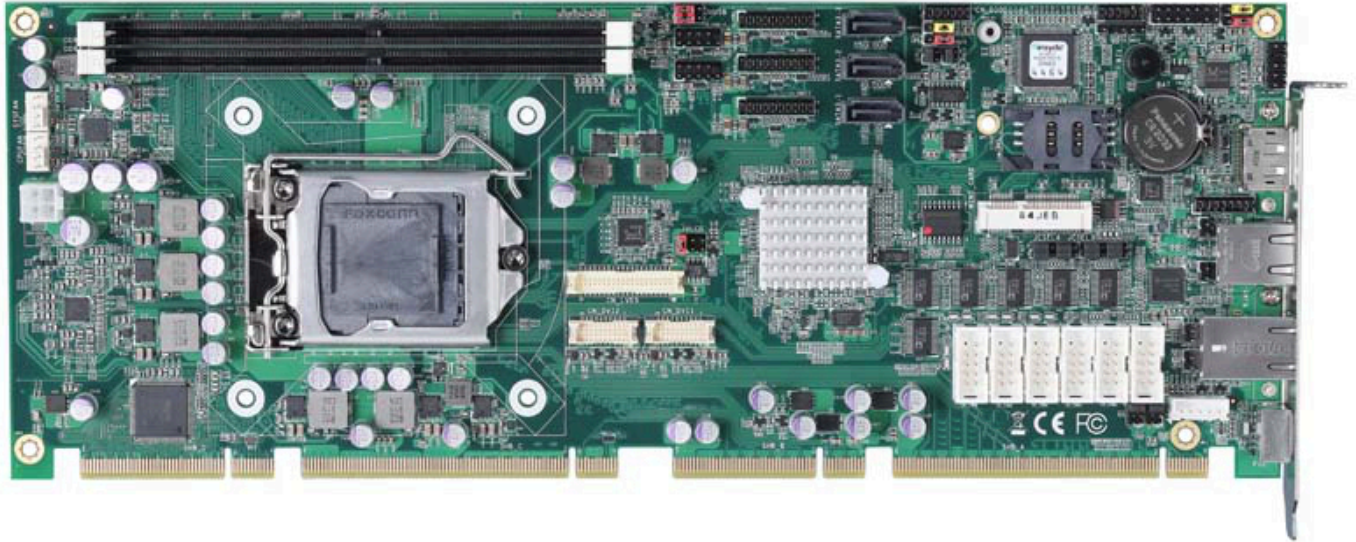


Transduction

TR-A79

Intel Core 9th Gen. i5 3.0GHz CPU

TR-A79 Industrial PICMG 1.3 Single Board Computer



Features

- Supports 8th and 9th generation Intel i5 processor with integrated UHD Graphics, LGA 1151 socket.
- Intel Q370 chipset, long term supply until 2032.
- 2 x DDR4 2666MHz DIMM sockets, supports up to 32GB non-ECC memory.
- Supports 4K resolution.
- Dual Intel Gigabit LAN (1 x Intel I219-LM and 1 x I210-AT) maximize communication bandwidth.
- Multiple I/O functions: 3 x SATA III, 4 x RS232, 2 x RS232/422/485, 4 x USB2.0, 6 x USB3.0, 2 x LAN, 2 x DVI, 1 x VGA, 1 x DisplayPort, 1 x GPIO, TPM 2.0, and 1 x Audio.
- Connector for PS/2 keyboard mouse.
- Programmable watchdog timer for 1 ~ 255 min/s.
- Standard PICMG 1.3 form factor.
- 0 ~ 50°C (32 ~ 122°F) operating temperature with full software load, 60°C (140°F) for 2 hours.
- Warranty 3 years with telephone service support for life.

TRANSDUCTION INC.

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TR-A79

Specifications

Processor

- 9th Generation Intel i5, 6-core, 3.0GHz processor

Socket

- LGA1151

Chipset

- Intel Q370 - available until 2032

BIOS

- AMI BIOS, ACPI supported

Memory

- 2 x DDR4 2666MHz up to 32GB

LAN

- 1 x Intel I219-LM Gigabit LAN
- 1 x Intel I210-AT Gigabit LAN

Graphics

- Intel® UHD Graphics
- 1 x DisplayPort on rear I/O bracket
- 1 x VGA header connector with cable to rear I/O bracket

Real Time Clock

- Integrated RTC with on-board lithium battery

On Board I/O

- 4 x RS232
- 2 x RS232/422/485
- 4 x USB2.0 and 6 x USB3.0
- 2 x DVI and 1 x VGA
- TPM 2.0
- 1 x Audio

Storage

- 3 x SATA III ports support RAID 0/1
- 1 x mSATA slot via SATA3

Audio

- Intel® integrated Q370 with Realtek ALC232 HD Audio

GPIO

- On-board programmable 8-bit digital I/O interface

CMOS

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

Watch-Dog Timer

- Generates system reset with internal timer 1 ~ 255min/s

Cooling

- 1 x CPU cooling fan connector near CPU socket

Operating Temperature

- 0 ~ 50°C (32 ~ 122°F), 60°C (140°F) for 2 hours

Operating Humidity

- Relative humidity 10 ~ 90%, non-condensing

Storage Temperature

- -20 ~ 80°C (-4 ~ 176°F)

Storage Humidity

- Relative humidity 10 - 45%, non-condensing

Form Factor

- 338.6mm (L) x 126.4mm (W) (13.33" (L) x 4.98" (W))
- PICMG 1.3 compliant

Power Requirements

- ATX power mode via backplane

Applicable QA Standard

- ISO 9001:2015
- Safely packaged to standard ASTM-D3951

Warranty: 3 years