

Transduction

Intel 9th Gen. i5/i7 6/8-core Processor

TR-SPOCK-GEN9



Features

- 6 or 8 core computing with intel 9th Generation i5 or i7 processor.
- Intel i5/i7 processor up to 3.10GHz, 4.7GHz turbo.
- Integrated Intel Q370 chipset, available until the year 2034.
- 2 x DDR4 2666MHz DIMM sockets, up to 32GB memory.
- PCI and PCIe full expansion slots.
- Front filtered air fans for good air flow.
- 460W single or dual hot swap power supply.
- Dual hot swap RAID1 with RAIDON SATA iR2022 device.
- 24, 48, 125 and 250VDC power supply options.
- Optional chassis slides.
- ISO 9001:2015 QA program.
- MTBF > 50,000 hours.
- 3 years warranty. with technical support for life.
- Long term supply.

TR-SPOCK-GEN9 Reliable 2U Industrial Rack Mount Computer

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Specifications

Model:

- TR-SPOCK-GEN9 2U industrial rack mount computer designed for reliable operation

Processor

- Intel i5-9600 6-core or i7-9700 8-core > 3.10GHz, turbo up to 4.7GHz

Chipset

- Intel Q370 - available until Q2 2034

BIOS

- AMI BIOS

Memory

- 2 x DDR4 2666MHz up to 32GB

Gigabit LAN

- 1 x Intel 1219LM LAN
- 1 x Intel 1210AT LAN

Graphics

- Intel UHD Graphics P630
- 1 x DVI-D, 1 x DVI-I

Expansion Slots

- Full size: 3 x PCI, 1 x PCIe x16 and 1 x PCIe x4

Real Time Clock

Lithium Battery Backup

Storage

- Fast NVMe option socket
- SATA RAID1 with RAIDON IR2022 device and Seagate 2.5" 7200RPM 1TB or 2TB hard drives.

I/O Ports

- 4 x USB3.0 front ports
- Optional 2 x USB2.0 rear ports
- Up to 4 x RS232 and 1 x RS232/422/485 ports
- Up to 3 x Digital I/O (4 IN / 4 OUT)

Watchdog Timer

- Generates system reset: 256 levels

TPM

- TPM 2.0

Audio

- Intel PCH HD audio controller + Realtek ALC662 w/ 5.1 channel

Power Supply

- Universal AC 460W 50/60Hz
- Optional 500W dual hot swap
- 24V, 48V, 125V and 250V DC power options

Operating Temperature

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

Operating Humidity

- 10 - 90% RH, non-condensing

Storage Temperature

- 0~60°C (32~140°F)

Storage Humidity

- 40% RH

Warranty: 3 years

Compliance

- ESA, FCC Class A/B, CE, Nuclear, Seismic
-

QA Standard

- ISO 9001:201

Weight

- 15kg (33.1lbs)

Dimensions

- 19" ears for rack mount (D) x 3.5" (H) x 17" (L)

Attention: Needs shelf support or chassis slides to support weight.

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Shipping Weight

- 17kg (37.5lbs)
- Shipping carton to standard ASTM-D3951

Shipping Dimensions

- 24" (D) x 9" (H) x 24" (L)

Options

- DC power supply options - 24, 48, 125 and 250VDC
- IRIG A/B precision time sync module
- 24" chassis slides with 6" extender for total of 30"
- 500W dual hot swap power supply
- RAID1 with RAIDON iR2022 device



RAID
Mode

0

RAID 0 mode (striping) provides higher data reading and writing performances by dividing a single file into two files and storing one on each drive.



RAID
Mode

1

RAID 1 mode (mirroring) backs up the identical data in both drives to prevent data loss from hard drive failure.



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