

ReliaCOR 34-19



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FEATURES

- Intel® Xeon® D-1700 processor
- DDR4 DIMM x4 (Up to 256GB)
ECC/nonECC Support
- 4U 19" industrial rackmount PC
- Extensive high-speed network interfaces
4x 10GBASE-T, 1x SFP+, 4x 2.5GBASE-T
- Up to 6 PCIe cards can be installed
4x PCIe Gen4(x4) or 1x PCIe Gen4(x16),
2x PCIe Gen3(x1)
- Fast, high-capacity removable storage
U.2 NVMe (PCIe Gen3 x4) x2
- Time Sensitive Networking (planned)
- Operating temperature range: 0 ~ 50°C
- Linux, Windows® 10 IoT Enterprise (planned)

The ReliaCOR 34-19 is a 4U 19 inch industrial rackmount PC equipped with the Intel® Xeon® D-1700 processor. It supports 4 ports each of 10GBASE-T and 2.5GBASE-T, plus SFP+ for 10Gb Ethernet optical modules, making it suitable for IIoT applications that connect a variety of devices.

Thanks to the two U.2 NVMe drive bays which enable easy storage upgradability, it is especially suitable for data loggers that require high speed and large capacity.

Compared to conventional industrial PCs, it supports more computing cores, RAM, and network interfaces, making it ideal for virtual machine usage.

In addition to the use of COM-HPC modules for the CPU, the expansion part also adopts a modular configuration, which allows for flexible semi-customization such as function changes, connector changes, and additional functions according to the customer's application.

Specifications

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PROCESSOR	CPU	Intel® Xeon® D-1700 processor
MEMORY	RAM	DDR4 UDIMM/RDIMM x4 (up to 256 GB, ECC/nonECC)
STORAGE	Embedded	1x M.2 SATA/NVMe SSD (SATA 3.0 / PCI Express® 3.0 x4)
	Removable	2x U.2 NVMe (PCI Express® 3.0 x4)
REAR PANEL IO	Ethernet	4x 10GBASE-T, 1x SFP+, 4x 2.5GBASE-T (Time Sensitive Networking Support planned)
	USB	2x USB3.0 (Type A), 2x USB2.0 (Type A)
	Serial	1x RS-232C
OTHER	PCI Express slot	4x PCI Express® Gen4.0 (x4 slot) or 1x PCI Express® Gen4.0 (x16 slot), 2x PCI Express® Gen3.0 (x1 slot)
	RTC	Yes, with C2032 Coin Battery
	Watchdog	Yes
	TPM	TPM 2.0
	Sensors	Temperature
	LED	Power, SATA Activity
POWER	Input	AC 85-264V
	Consumption	TBD
ENVIRONMENT	Operating Temp.	0 to 50°C
	Storage Temp.	TBD
	Humidity	TBD (No condensing)
CERTIFICATIONS	Environmental	RoHS (2011/65/EU, (EU)2015/863)
MECHANICAL	Dimensions	TBD x TBD x TBD mm (WxDxH) - 4U 19" rackmount
SOFTWARE	OS	Linux, Windows® 10 IoT Enterprise

*It is possible to add or change interfaces and connector types by customizing the internal board. Please contact us at the following e-mail address.

*For other OS such as VxWorks, please feel free to contact us as well.

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