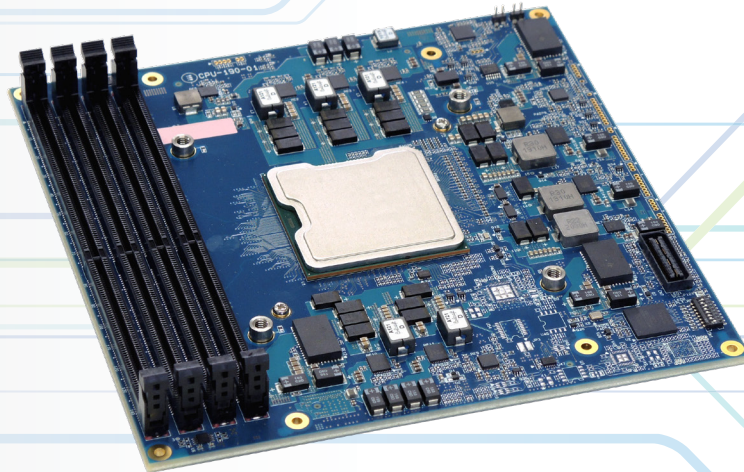


CPU-190-01



FEATURES

- Intel® Xeon® D-1700 processor
- DDR4 DIMM: 4 sockets (Up to 256GB) ECC/nonECC
- COM-HPC™ Server Module
- PCI Express®: 35 lanes
- NBASE-T (2.5G): 1 port
- 10GBASE-KR: 5 ports
- Size D (160 x 160mm)
- Linux, Windows® 10 IoT Enterprise

The CPU-190-01 is a COM-HPC™ server module equipped with the Intel® Xeon® D-1700 processor. Combining the COM-HPC™ standard, which supports more powerful CPUs and high-speed communication interfaces, with the Intel® Xeon® D-1700 processor, this product is suitable for AI systems that require high performance and edge computing in 5G high-speed communication networks.

This product can be used in combination with a carrier board equipped with connectors, PHYs, etc. that match the customer's application. Since the core part of the computer has been designed and verified as a CPU module, it is possible to reduce the cost and time required to develop equipment to suit the application.

We also provide professional services such as BIOS customization, carrier board development, and system design including chassis and FW. We can also provide consultation on custom products based on this board.

CPU-190-01

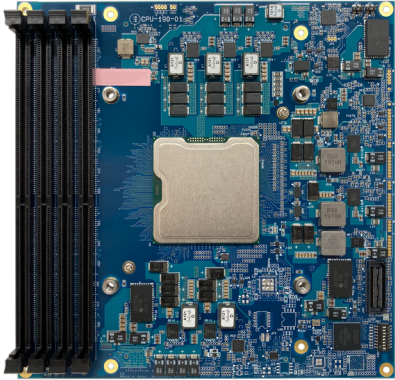
Specifications

Specifications

PROCESSOR	CPU	Intel® Xeon® D-1700 processor
MEMORY	RAM	DDR4 UDIMM/RDIMM x4 (up to 256 GB, ECC/nonECC)
STORAGE	Embedded	1x SPI-Flash (BIOS) - 1x EEPROM
I/O INTERFACES	Ethernet PCI Express SATA USB Serial SPI eSPI SMBus I2C GPIO RTC Watchdog TPM Sensors	5x 10GBASE-KR, 1x NBASE-T (2.5G) 35 lanes 2 ports 2x USB3.2 Gen1, 4x USB2.0 2 ports Yes 1 port 1 port 1 port 12 Yes Yes TPM2.0 Temperature, Voltage
POWER	Input Consumption	TBD TBD
ENVIRONMENT	Operating Temp. Storage Temp. Humidity	TBD TBD TBD (No condensation)
CERTIFICATIONS	Environmental	RoHS (2011/65/EU, (EU)2015/863)
MECHANICAL	Dimensions	Size D (160 x 160mm)
SOFTWARE	OS	Linux, Windows 10® IoT Enterprise

*BIOS customization is available. Please contact us at the following email address.

*For other operating systems such as VxWorks, feel free to contact as well.



Email: sales@advanet.jp



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