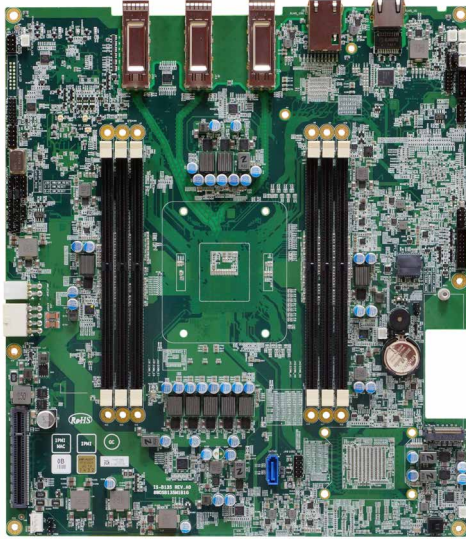


IS-B135 Motherboard

AEWIN Technologies Co., Ltd.

Motherboard with Ice lake-D HCC 2775TE, supporting 6x DDR4, 1x PCIe x8 connector for riser board, 3x 10GbE fiber, 10GbE Copper, 1GbE for IPMI, M.2 2280, eMMC



Features

- Support Intel Ice Lake D HCC 2775TE
- 6x DDR4 ECC UDIMM memory 2666/2933 MHz, up to 192GB
- Support wide operating temp. -40 to 75 degree Celsius
- 3x 10GbE SFP+, 10GbE Copper, 1GbE Copper, 1x PCIe x8 connector for riser board
- 1x M.2 2280, 1x eMMC
- IPMI, DPDK, TPM 2.0



Description

The IS-B135 based on Intel Ice Lake D 2775TE is a 200mm x 300mm motherboard designed for network service applications. With the feature of the wide operating temperature of Ice Lake D, AEWIN designs the motherboard to endure wide operating temperature of -20 to 75 degree C which make it suitable to operate under rugged environment with high reliability.

IS-B135 supports up to six DDR4 2666 (2DPC)/2933 (1DPC) MHz UDIMM sockets with max capacity up to 192 GB. For the storage, it not only provides M.2 2280 for fast speed module, but also has additional eMMC and SATA pin header for the flexible configurations. Regarding the ethernet port, it supports 3x 10GbE SFP+, 10GbE Copper, and 1GbE Copper for IPMI. Furthermore, it has PCIe x8 connector for riser board to support the expansion module for additional function required.

IS-B135 is also with TPM 2.0 to protect the system start-up without compromise the computing performance. In addition to the rich I/O and function mentioned, it supports DPDK for fast packet processing to accelerate the overall speed of the information forwarding for better efficiency.

Specifications

▼ Processor System

CPU	Intel Ice lake-D HCC 2775TE
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▼ Memory

Technology	6x DDR4 ECC UDIMM 2933MHz (1DPC); 2666MHz (2DPC)
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▼ Ethernet

GbE Ethernet	3x 10GbE SFP+ 10GbE Copper 1GbE Copper
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▼ Expansion

Onboard Expansion Slots	PCIe x8 connector for riser board
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▼ I/O

USB	USB pin header
Serial	COM1

▼ Storage

SATA	SATA pin header
CompactFlash Socket	eMMC
M.2	M.2 2280

▼ Power Supply

Watt	2x AC-DC 500W
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▼ Mechanical and Environment

Form Factor	Motherboard
Dimension (W x D x H)	200mm(W) x 300mm(H)
Operating Temperature	Operating: -40 ~ 75°C (-40 ~ 167°F)

▼ Packing List

- 1x IS-B135 unit