

Intel Ethernet Network Adapter E610-XT4 (E610XT4M5)

Intel Ethernet Network Adapter E610-XT4 - Network adapter - PCIe 4.0 x8 - 10 Gigabit Ethernet x 4 - multi pack



The Intel Ethernet Network Adapter E610-XT4 is designed for robust connectivity with a variety of networking applications. With a capacity to support 64 virtual functions per port, this adapter promotes efficient data management and resource allocation. Enjoy seamless data transfer rates of up to 10 Gbps, accommodating multiple protocols such as Fast Ethernet and 10 Gigabit Ethernet for enhanced performance. Its versatile design includes four RJ-45 connectors, making installation straightforward and compatible with existing infrastructures. This network adapter operates effectively in demanding environments, supporting temperatures from -40°C to 70°C. Compliance with multiple standards, including FCC Class A and RoHS 2, ensures a reliable and environmentally friendly solution. Advanced features like Virtual Machine Device Queues, Single Root I/O Virtualization, and secure boot enhance security, efficiency, and performance.

Key Selling Points

- Supports 64 virtual functions per port for efficient management
- Data transfer rate of up to 10 Gbps suitable for various applications
- Operates in harsh temperature environments from -40°C to 70°C
- Includes advanced features like secure boot and network virtualization
- Compliant with multiple industrial standards for reliability

Product Features

- High capacity for virtualization**
This adapter offers support for up to 64 virtual functions per port, making it ideal for modern data center environments that require greater resource management.
- Robust performance**
Equipped to achieve data transfer rates of 10 Gbps, this adapter accommodates various data link protocols, ensuring high-speed connectivity across different networking tasks.
- Enhanced environmental resistance**
Able to function in temperatures ranging from -40°C to 70°C, the E610-XT4 is designed to operate reliably in a wide range of harsh conditions.
- Compliance with standards**
This adapter adheres to numerous standards including FCC Class A and RoHS 2, ensuring compliance with regulations for safety and environmental impact.
- Advanced networking features**
Features such as Single Root I/O Virtualization and secure firmware updates enhance both security and performance of network systems, making this adapter a solid choice for enterprise use.

Main specifications

Product Description	Intel Ethernet Network Adapter E610-XT4 - network adapter - PCIe 4.0 x8 - 10 Gigabit Ethernet x 4
Device Type	Network adapter
Form Factor	Plug-in card
Interface (Bus) Type	PCI Express 4.0 x8
PCI Specification Revision	PCIe 4.0
Ports	10 Gigabit Ethernet x 4
Dimensions (WxDxH)	16.9 cm x 6.9 cm
Cabling Type	Ethernet 100Base-TX, Ethernet 1000Base-T, Ethernet 2.5GBase-T, Ethernet 5GBase-T, Ethernet 10GBase-T
Data Link Protocol	100Mb LAN, 1GbE, 2.5GbE, 5GbE, 10GbE
Capacity	Virtual functions per port: 64
Network / Transport Protocol	NCSI, RBT, MCTP
Processor	1 x Intel E610-XAT2
Pricing Type	Multi pack

Extended specification

General

Device Type	Network adapter
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Form Factor	Plug-in card
Interface (Bus) Type	PCI Express 4.0 x8
PCI Specification Revision	PCIe 4.0

Expansion / Connectivity

Interfaces	2 x 10GBase-T - RJ-45
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Networking

Ports	10 Gigabit Ethernet x 4
Connectivity Technology	Wired
Cabling Type	Ethernet 100Base-TX, Ethernet 1000Base-T, Ethernet 2.5GBase-T, Ethernet 5GBase-T, Ethernet 10GBase-T
Data Link Protocol	Fast Ethernet, Gigabit Ethernet, 2.5 Gigabit Ethernet, 5 Gigabit Ethernet, 10 Gigabit Ethernet
Capacity	Virtual functions per port: 64
Network / Transport Protocol	NCSI, RBT, MCTP
Remote Management Protocol	PLDM
Status Indicators	Link/activity/speed
Features	DTMF support, Enhanced NVO, MSI-X, FPP, GENEVE support, integrated BMC, Intel Flow Director, Intel VT, MSI, MPLS support, NFV, NVGRE, RoT, SR-IOV, VXLAN, VMDq, VxLAN-GPE with NSH, auto-negotiation

Miscellaneous

Encryption Algorithm	FIPS 140-3 Level 1
Compliant Standards	CAN/CSA C22.2 No. 62368-1-14, EMC, EMI, EN 62368-1:2014, FCC Class A certified, NIST 800-193, ROHS Directive 2011/65/EU, UL 62368-1
Pricing Type	Multi pack

Power

Power Consumption Operational	9.6 Watt
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Processor / Memory

Processor	1 x Intel E610-XAT2
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Dimensions & Weight

Depth	16.9 cm
Height	6.9 cm

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