

NIC/PCIe up to 25Gb SFP28 x 2 Bulk (E810XXVDA2BLK)

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Intel Ethernet800 series improve application efficiency and network performance with innovative and versatile capabilities that optimize high-performance server workloads such as NFV, storage, HPC-AI, and hybrid cloud. With two 25GbE SFP28 ports and key performance optimizations, the E810-XXVDA2 supports solutions across Cloud, Enterprise, and Communications.▯Performance optimizations for Cloud, Enterprise, and Communications.▯(ADQ) provides dedicated traffic queues to reduce latency and increase application throughput. Dynamic Device Personalization enables protocol- specific traffic acceleration to improve packet processing efficiency and reduce CPU overhead. iWARP and RoCEv2 support provides high-speed, low-latency, high-throughput connectivity for storage targets and initiators.▯Accelerated packet processing for Communications workloads (DPDK)support increases packet processing speeds. Dynamic Device Personalization enables protocol- specific traffic acceleration and reduces CPU overhead for emerging high-bandwidth workloads. IEEE 1588 PTP v2 support enables precise clock synchronization across 5G RAN deployments.▯Flexible configurations. Intel Direct Attach Cables, can support multiple configurations.

Key Selling Points

- Supports 10 Gb and 25 Gb Ethernet for flexible network bandwidth
- Features like RDMA support and intelligent offloads for efficient data processing
- PCIe 4.0 compatibility ensures high-speed connectivity and data transfer
- Supports advanced networking protocols including NFS, iSCSI, and iWARP

Product Features

- Enhanced connectivity
The Intel Ethernet Network Adapter E810-XXVDA2 offers robust connectivity options with its dual 10/25 Gigabit SFP28 ports, ensuring high-speed data transfers and efficient network connections.
- Advanced network features
Equipped with innovative technologies such as Data Direct I/O Technology (DDIO), Flexible Port Partitioning (FPP), and On-chip QoS and Traffic Management, this network adapter delivers optimized data processing and improved network management.
- Comprehensive virtualization support
With features like Single Root I/O Virtualization (SR-IOV), Virtual Machine Device Queues (VMDq), and support for RDMA over Converged Ethernet (RoCE) v2, the adapter enhances virtualized environments by improving data throughput and reducing latency.

Main specifications

Product Description	Intel Ethernet Network Adapter E810-XXVDA2 - network adapter - PCIe 4.0 x8 - 10/25 Gigabit SFP28 x 2
Device Type	Network adapter
Form Factor	Plug-in card - low profile
Interface (Bus) Type	PCI Express 4.0 x8
PCI Specification Revision	PCIe 3.0, PCIe 4.0
Ports	10/25 Gigabit SFP28 x 2
Data Link Protocol	10GbE, 25GbE
Network / Transport Protocol	iWARP, iSCSI, NFS

Extended specification

General

Device Type	Network adapter
Form Factor	Plug-in card - low profile
Interface (Bus) Type	PCI Express 4.0 x8
PCI Specification Revision	PCIe 3.0, PCIe 4.0

Expansion / Connectivity

Interfaces	2 x 10Gb Ethernet/25Gb Ethernet - SFP28
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Networking

Ports	10/25 Gigabit SFP28 x 2
Connectivity Technology	Wired

<i>Data Link Protocol</i>	<i>10 Gigabit Ethernet, 25 Gigabit Ethernet</i>
<i>Network / Transport Protocol</i>	<i>iWARP, iSCSI, NFS</i>
<i>Features</i>	<i>On-chip QoS and Traffic Management, FPP, VMDq, RDMA support, RoCE v2, intelligent offloads, SR-IOV, DDIO Technology</i>

Miscellaneous

<i>Included Accessories</i>	<i>Low-profile bracket</i>
<i>Package Type</i>	<i>Bulk</i>

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