Intel E810-XXVDA4 Datasheet

Intel E810 25GbE Quad SFP28 Port Ethernet Network Adapter

E810-XXVDA4

Intel® Ethernet 800 Series network adapters improve application efficiency and network performance with innovative and versatile capabilities. With its high 10/25GbE port density, the E810-XXVDA4 adapter is designed to optimize high-performance system workloads for Cloud and Communications.

Intel Ethernet Optics and Active Optic Cables (AOCs) support multiple configurations and are fully compatible with the Intel Ethernet Network Adapter E810-XXVDA4.

Essentials

- Product P/N: E810-XXVDA4

- Product Collection: 800 Series Network Adapters (up to 100GbE)
- Status: Launched
- Launch Date: Q3'20
- Vertical Segment: Server
- Cable Medium: Copper
- Cabling Type: SFP28 ports - DAC, Optics, and AOC's

- Bracket Height: Full Height

- Product Order Code: E810XXVDA4, E810XXVDA4BLK

- Dimension: 6.58 in x 4.37 in (167 mm x 111 mm)

- RoHS-compliant: Product is compliant with EU RoHS Directive 2 2011/65/EU (Directive 2011/65/EU) and its amendments (e.g. 2015/863/EU)

Networking Specifications

- Port Configuration: Quad

- Data Rate Per Port: 25/10/1GbE

- Intel® Virtualization Technology for Connectivity (VT-c): Yes

- Speed & Slot Width: 16 GT/s x16 lanes

- Controller: Intel Ethernet Controller E810

Package Specifications

- System Interface Type: PCIe 4.0 (16 GT/s)

Intel® Virtualization Technology for Connectivity

- On-chip QoS and Traffic Management: Yes

- Flexible Port Partitioning: Yes

- Virtual Machine Device Queues (VMDq): Yes

- PCI-SIG* SR-IOV Capable: Yes

Advanced Technologies

- iWARP/RDMA: Yes

- RoCEv2/RDMA: Yes

- Intel® Data Direct I/O Technology: Yes

- Intelligent Offloads: Yes

- Storage Over Ethernet: iSCSI, NFS

Key Features

- Quad Port SFP28

- Dynamic Device Personalization (DDP)

- PCI Express (PCIe) 4.0 x16

- Supports both RDMA iWARP and RoCEv2

- Application Device Queues (ADQ)

- IEEE 1588 Precision Time Protocol (PTP)

For more specifications of E810-XXVDA4, pls visit Intel website below.

https://www.intel.com/content/www/us/en/products/sku/192560/intel-ethernet-network-adapter-e810xxvda4/specifications.html

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