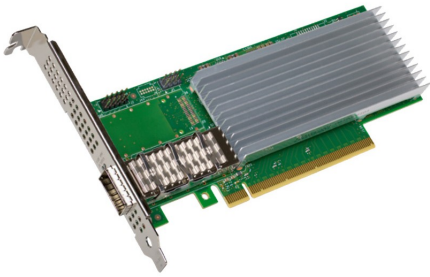# Intel E810-CQDA1 Datasheet

Intel E810 100GbE Single QSFP28 Port Ethernet Network Adapter

E810-CQDA1

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. E810-CQDA1 and E810-CQDA2 adapters support a wide range of system configurations to meet customer needs and workload requirements. The many port and speed combinations available simplify validation and deployment.

Essentials

- Product P/N: E810-CQDA1

- Product Collection: 800 Series Network Adapters (up to 100GbE)
- Status: Launched
- Launch Date: Q4'20
- Vertical Segment: Server
- Cabling Type: QSFP28 port - DAC, Optics, and AOC's
- Bracket Height: Low Profile and Full Height
- Product Order Code: E810CQDA1, E810CQDA1BLK
- Dimension: 167 mm x 69 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: Single

- Data Rate Per Port: 100/50/25/10/1GbE

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

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

- Controller: Intel Ethernet Controller E810 E810-CAM1

Package Specifications

- System Interface Type: PCIe 4.0 x16(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

- Single and Dual-Port QSFP28

- Application Device Queues (ADQ)

- PCI Express (PCIe) 4.0 x16

- Dynamic Device Personalization (DDP)

- Ethernet Port Configuration Tool (EPCT)

- Supports both RDMA iWARP and RoCEv2

For more specifications of Intel E810-CQDA1, please visit Intel website below.

https://www.intel.com/content/www/us/en/products/sku/192561/intel-ethernet-network-adapter-e810cqda1/specifications.html

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