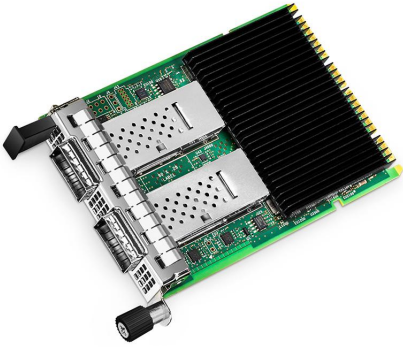# Intel E810CQDA2OCPV3 Datasheet

Intel E810CQDA2OCPV3 Ethernet Network Adapter E810-CQDA2 for OCP 3.0

E810CQDA2OCPV3

Improve application efficiency and network performance with innovative and versatile capabilities that optimize server workloads such as Network Functions Virtualizations (NFV), storage, HPC-AI and hybrid cloud.

The OCP NIC 3.0 specification defines a standardized design for a new generation of network adapters. Simple and straightforward form factors, clear manageability requirements, and improved serviceability help simplify deployment for current and emerging capabilities.

Key Features

- OCP NIC 3.0 Small Form Factor
- 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

Essentials

- Product Collection: 100GbE Intel® Ethernet Network Adapter E810
- Status: Launched
- Launch Date: Q3'20
- Vertical Segment: Server
- Cabling Type: QSFP28 ports - DAC, Optics, AOC's
- Bracket Height: OCP 3.0

Networking Specifications

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

For more information of this Intel E810CQDA2OCPV3, please visit Intel website:

https://ark.intel.com/content/www/us/en/ark/products/184817/intel-ethernet-network-adapter-e810cqda2-for-ocp-3-0.html

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