Intel X710DA2OCPV3 Datasheet

Intel Ethernet Network Adapter X710-DA2 for OCP 3.0

X710DA2OCPV3

The Intel® Ethernet Network Adapter X710-DA2 and -DA4 for OCP 3.0 provide broad interoperability, critical performance optimizations, and increased agility for Communications, Cloud, and Enterprise IT network solutions.

- Interoperability - Multiple speeds and media types for broad compatibility backed by extensive testing and validation.
- Optimization - Intelligent offloads and accelerators to unlock Network performance in servers with Intel® Xeon® processors.
- Agility - Both Kernel and Data Plane Development Kit (DPDK) drivers for scalable packet processing.

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.

The Intel® Ethernet 700 Series delivers networking performance across a wide range of network port speeds through intelligent offloads, sophisticated packet processing, and quality open source drivers.

Essentials

- Product Collection: Intel® Ethernet Network Adapter X710
- Status: Launched
- Launch Date: Q4'19
- Vertical Segment: Server
- Cable Medium: Copper
- Cabling Type: SFP+ Direct Attach Copper, 10GBASE-SR and 10GBASE-LR Physical Media
- Bracket Height: OCP 3.0

Networking Specifications

- Port Configuration: Dual
- Data Rate Per Port: 10/1GbE
- Intel® Virtualization Technology for Connectivity (VT-c): Yes
- Speed & Slot Width: 8.0GT/s x8 lanes
- Controller: Intel(R) Ethernet Controller X710

Package Specifications

- System Interface Type: PCIe 3.0 (8.0 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: No
- RoCEv2/RDMA: No
- Intel® Data Direct I/O Technology: Yes
- Intelligent Offloads: Yes
- Storage Over Ethernet: iSCSI, NFS

For more information of this Intel X710DA2OCPV3, please visit Intel website:

https://www.intel.com/content/www/us/en/products/sku/184821/intel-ethernet-network-adapter-x710da2-for-ocp-3-0/specifications.html

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