Intel X520DA2OCPG2P20 Datasheet

Intel Ethernet Modules Intel Ethernet Server Adapter X520-DA2 for OCP 2.0

X520DA2OCPG2P20

The best-selling Intel® Ethernet Server Adapter X520-DA1 and X520-DA2 are known for their high performance, low latency, reliability, and flexibility. The addition of the Open Compute Project (OCP) server adapter to the family delivers the Intel Ethernet Server Adapter X520-DA1/X520-DA2 capabilities in an OCP form factor.

The Intel Ethernet Server Adapter X520-DA1/X520-DA2 for OCP delivers a proven, reliable solution for deployments of Ethernet for high-bandwidth, low-cost, 10-GbE network connections. Increased I/O performance with Intel® Data Direct I/O Technology and support for intelligent offloads make this adapter a perfect match for scaling performance on Intel® Xeon® processor E5/E7-based servers.

Powered by the Intel® 82599 10 Gigabit Ethernet Controller, the Intel Ethernet Server Adapter X520-DA1/X520-DA2 for OCP addresses the demanding needs of the next-generation data center by providing unmatched features for virtualization and proven, reliable performance. The Intel 82599 10 Gigabit Ethernet Controller is the industry standard for 10 GbE, making it the most popular 10 GbE controller on the market today.

Essentials

- Manufacturer: Intel
- Manufacturer Part: X520DA2OCPG2P20
- Device Type: Network Adapter
- Product Collection: Intel® Ethernet Server Adapter X520
- Code Name: Products formerly Niantic
- Status: Discontinued
- Launch Date: Q3'13
- Vertical Segment: Server
- Cable Medium: Copper
- Cabling Type: SFP+ Direct Attached Twin Axial Cabling up to 10m
- Bracket Height: No bracket
- Ethernet Controller: Intel® 82599 10 Gigabit Ethernet Controller

Networking Specifications

- Port Configuration: Dual
- Data Rate Per Port: 10/1GbE
- Intel® Virtualization Technology for Connectivity (VT-c): Yes
- Speed & Slot Width: 5.0 GT/s, x8 Lane
- Controller: Intel 82599

Package Specifications

- System Interface Type: PCIe v2.0 (5.0 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
- Intel® Ethernet Power Management: Yes
- Intel® Data Direct I/O Technology: Yes
- Intelligent Offloads: Yes
- Storage Over Ethernet: iSCSI, NFS

For more information of this Intel X520DA2OCPG2P20, please visit Intel website:

https://www.intel.com/content/www/us/en/products/sku/85479/intel-ethernet-server-adapter-x520da2-for-open-compute-project/specifications.html

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