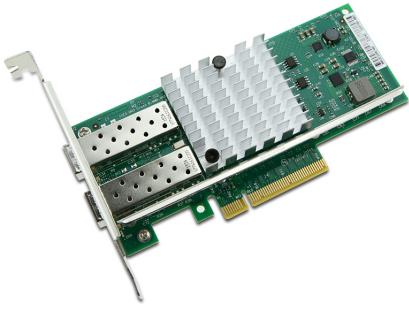# Intel X520-DA2 Datasheet

Intel X520 10GbE Dual SFP+ Port Ethernet Converged Network Adapter E10G42BTDA

X520-DA2

Intel® Ethernet Server Adapters X520 Dual- and Single-Port 10 Gigabit SFP+ Ethernet Server Adapters Provide Ultimate Flexibility and Scalability in Virtual and Unified Storage Environments.

Intel's family of Intel® Ethernet Server Adapters X520 with SFP+ connectivity are the most flexible and scalable Ethernet adapters for today's demanding data center environments. Data center networks are being pushed to their limits. The escalating deployments of servers with multi-core processors and demanding applications such as high performance computing (HPC), database clusters, and video-on-demand are driving the need for 10 Gigabit connections. Customers require flexible and scalable I/O solutions to meet the rigorous requirements of running mission-critical applications in virtualized and unified storage environments. Powered by Intel's third-generation 10 GbE network controller, the Intel® Ethernet 82599 10 Gigabit Ethernet Controller, the X520 server adapter family addresses the demanding needs of the next-generation data center by providing unmatched features for virtualization, flexibility for LAN and SAN networking, and proven, reliable performance.

Essentials

- Product P/N: X520-DA2
- Product Collection: 500 Series Network Adapters (up to 10GbE)

- Launch Date: Q3'09

- Vertical Segment: Server

- Cable Medium: Copper

- Cabling Type: SFP+ Direct Attach; Twin Axial Cabling up to 10 m

- Bracket Height: Low Profile and Full Height

- Product Order Code: E10G42BTDA, E10G42BTDABLK

Networking Specifications

- Port Configuration: Dual

- Data Rate Per Port: 1GbE / 10GbE

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

- Speed & Slot Width: 5.0 GT/s, x8 Lane

- Controller: Intel® 82599 10 Gigabit Ethernet Controller

Package Specifications

- System Interface Type: PCIe v2.0 (5.0 GT/s)

- Bus Width: PCIe x8 lane

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, FCoE, NFS

For more specifications of X520-DA2, please visit Intel website below.

https://www.intel.com/content/www/us/en/products/sku/39776/intel-ethernet-converged-network-adapter-x520da2/specifications.html

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