

Data Sheet

Intel® X520-DA2 SFP+ LAN Adapter

X520-DA2 SFP+ dual port 10 Gbit PCIe x8 card

Ethernet cards enable data exchange between all the devices connected in a local network (LAN). A networked IT infrastructure that functions well is of great significance when managing and controlling critical business processes in a company. The wide range of complex information transported across the network relies on fast and reliable data processing by the network cards. The cards offers at least one Ethernet interface which is designed for the respective network types and network architectures. The bus interface links the network card with the server.



X520-DA2 SFP+ LAN Adapter

The new Intel® Ethernet X520 Server Adapter is the most flexible and scalable Ethernet adapter for today's demanding data center environments. The Intel® Ethernet X520 Server Adapter 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.

Main Features	Benefits
<ul style="list-style-type: none"> ■ Intel® 82599 10 Gigabit Ethernet Controller ■ Low-profile PCB ■ Load balancing on multiple CPUs ■ Time Sync (IEEE 1588, 802.1as) ■ Intel® PROSet utility for Microsoft Windows Device Manager 	<ul style="list-style-type: none"> ■ Industry-leading, energy-efficient design for next-generation 10 Gigabit performance and multi-core processors ■ Enables higher bandwidth and throughput from standard and low-profile PCIe slots and servers ■ Increases performance on multi-processor systems by efficiently balancing network loads across CPU cores when used with Receive-Side Scaling (RSS) from Microsoft or Scalable I/O on Linux ■ Lets networked Ethernet equipment synchronize internal clocks according to a network master clock; endpoint can then acquire an accurate estimate of the master time by compensating for link latency ■ Provides point-and-click management of individual adapters, advanced adapter features, connection teaming, and virtual local area network (VLAN) configuration

Technical details

Technical details

Controller Silicon	Intel® 82599 10 Gigabit Ethernet Controller
Controller type	Ethernet Ctrl.
Network protocol and standards compatibility	IEEE 802.1q VLAN IEEE 802.3x Flow Control IEEE 802.1p Class of Service IEEE 802.3ad LACP
Number of ports	2
Data transfer rate up to	10 Gb
Auto Negotiation support	Yes
Bus interface	PCIe x8
Bus type	PCIe 2.0
Bus transfer rate	5GT/s
Bus width	x4#x8
Interrupt Levels	MSI-X INTA MSI
WoL	No
LEDs	LINK (solid) and ACTIVITY (blinking) LINK SPEED (green = 10G / yellow = 1G)
Virtualization	VMQ (64 queues per port) SR-IOV ready (64 virtual function per port) VMBL (Virtual Maschine Load Balancing) VLAN support with VLAN tag insertion, stripping and packet filtering for up to 4096 VLAN tags
Teaming	With other Intel 1GbE and 10GbE adapters
Switch fault tolerance (SFT)	Yes
Adapter fault tolerance (AFT)	Yes
Adaptive load balancing (ALB)	Yes
Remote Boot support	PXE 2.0
iSCSI support	Yes
Offloading	IPv4, IPv6 offloading - checksum and segmentation capability extended to new standard packet type

Order code	Height of bracket	Type / mode	Number of Connectors	Formfactor
S26361-F3555-E1	Full Height (FH)		2	Low profile
S26361-F3555-E201	Low Profile (LP)		2	Low profile
S26361-F3555-E900		SFP+ / MMF (SWL)		
S26361-F3555-L501	Full Height / Low Profile		2	Low profile
S26361-F3555-L900		SFP+ / MMF (SWL)		

Environmental

Power consumption	Dual Port 10GBase-SR typ. 10 W, max. 10.7 W Dual Port SFP+ Twinax typ. 7.9 W, max. 8.6 W
Temperature (Operating)	0 - 55°C
Temperature (Not Operating)	-40 - 70°C

Compliance

Compliance notes	According to the corresponding system
Compliance link	http://sp.ts.fujitsu.com/sites/certificates/

More information

Fujitsu platform solutions

In addition to Fujitsu X520-DA2 SFP+ LAN Adapter, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu X520-DA2 SFP+ LAN Adapter, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://www.fujitsu.com/PRIMERGY>

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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