

Data Sheet

Intel® X540-T2 2x 10GBase-T LAN Adapter

X540-T2 2x 10GBase-T 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.

applications with highly affordable 10 GbE network performance and cost-effective RJ-45 connectivity.



X540-T2 2x 10GBase-T LAN Adapter

The X540-T2 adapter hosts Intel's latest Ethernet silicon, which uses a single chip solution for "LAN on Motherboard" (LOM) to deliver 10 Gigabit Ethernet (10 GbE) on the latest server platforms. 10GBase-T simplifies the transition to 10 GbE and it can be deployed anywhere in your data center. Its flexible range - from 1 to 100 meters - supports the latest network architectures. With lower cost and power, 10GBase-T is ready for broad deployment. 10GBase-T is an option for every rack and tower server in the data center. Waiting for a low-cost 10 GbE copper solution to deploy 10 GbE to all the corners of a data center is now over. The adapter provides bandwidth-intensive

Main Features	Benefits
<ul style="list-style-type: none"> ■ Intel® Ethernet adapter X540-T2 ■ Low-profile ■ Load balancing on multiple CPUs ■ Support for most Network Operating Systems (NOS) ■ DCB (Data Center Bridging) enhancements 	<ul style="list-style-type: none"> ■ Industry's first integrated MAC+PHY reducing cost and power ■ 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 ■ Enables widespread deployment ■ Guaranties lossless delivery, congestion notification, priority-based flow control and priority groups

Technical details

Technical details

Controller Silicon	Intel® Ethernet Adapter x540-T2		
Controller type	Ethernet Ctrl.		
Connector type	RJ45		
Network protocol and standards compatibility	IEEE 802.1p IEEE 802.1q VLAN IEEE 802.3ad LACP IEEE 802.3 2005 flow control support		
Number of ports	2		
Number of external ports	2		
Data transfer rate up to	10 Gbit/s		
Bus interface	PCIe x8		
Bus type	PCIe 2.0		
Bus transfer rate	5GT/s		
Bus width	x8 lane PCI Express, operable in x8 and x16 slots		
HW Virtualization	PCI-SIG SR-IOV for Linux, VMware, Windows (for Windows Server 2012 only)		
Interrupt Levels	MSI-X INTA MSI		
WoL	No		
Virtualization	VMDQ, VIOM, VMLB (Virtual Maschine Load Balancing)		
Teaming	support		
Switch fault tolerance (SFT)	Yes		
Adapter fault tolerance (AFT)	Yes		
Adaptive load balancing (ALB)	Yes		
Remote Boot support	Yes		
iSCSI support	No		
Offloading	IPv6 offloading		
Order code	Height of bracket	Number of Connectors	Formfactor
S26361-F3752-E202	Low Profile (LP)	2	Low profile
S26361-F3752-E2	Full Height (FH)	2	Low profile
S26361-F3752-L502	Full Height / Low Profile	2	Low profile

Environmental

Power consumption	5.9 W / 100Mbps 8.2 W / 1Gbps 13.4 W / 10Gbps
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Compliance

Europe	CE
USA/Canada	FCC Class B UL
Japan	VCCI
South Korea	KCC
Australia/New Zealand	C-Tick
Taiwan	BSMI
Compliance notes	According to the corresponding system
Compliance link	http://sp.ts.fujitsu.com/sites/certificates/

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu X540-T2 2x 10GBase-T LAN Adapter, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

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

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu X540-T2 2x 10GBase-T LAN Adapter, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

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 contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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