

# Data Sheet

## Intel® X550-T2 2x 10GBase-T LAN Adapter

X550-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.



### X550-T2 2x 10GBase-T LAN Adapter

10 GbE for the Broad Market. The Intel Ethernet Network Adapter X550-T2 is the newest innovation in Intel's leadership to drive 10 GbE into the broad server market. This adapter hosts Intel's latest silicon, the Intel Ethernet X550 controller, a low-cost single chip 10GBASE-T solution for today's server platforms.

Simplify the Transition to 10GbE. With 10GBASE-T, migration to 10GbE is dramatically simplified with backward compatibility for your existing GbE network infrastructure. Install a Fujitsu PLAN EP X550-T2 Dual Port PCIe adapter into a server and the autonegotiation between 1 GbE and 10 GbE provides the necessary backwards compatibility that most customers require for a smooth transition and easy migration to 10 GbE.

10GBASE-T uses the copper twisted-pair cables that are very familiar to IT professionals today.

Main Features	Benefits
Scalable performance ■ Intel® Ethernet Network Adapter X550-T2	■ Intel's second integrated 10GBASE-T MAC/PHY, low-cost solution; Enables higher bandwidth and throughput from standard and low-profile PCIe slots and servers
Flexible OS support ■ Multiple OS support	■ Support for most Network Operating Systems
Efficient networking ■ Remote Boot iSCSI and FCoE	■ Provides centralized Storage Area network (SAN) management at a lower cost than competing solutions
Connectivity ■ RJ45 Connections over CAT 6A Cabling	■ Ensures compatibility with cable length up to 100 meters

# Technical details

## Technical details

Controller Silicon	Intel® Ethernet Controller X550
Controller type	Ethernet Ctrl.
Connector type	RJ45
Operating system pre-installed	Information to released operating systems can be found in the server datasheets. Details can be found in the released drivers list on the support portal.
Released drivers list link	<a href="http://support.ts.fujitsu.com/Download/Index.asp">http://support.ts.fujitsu.com/Download/Index.asp</a>
Number of ports	2
Data transfer rate(s)	100 MBit/s; 1 Gbit/s; 10 Gbit/s
Auto Negotiation support	Yes
Bus interface	PCIe 3.0 x8
Bus transfer rate	5GT/s
Network protocol and standards compatibility	IEEE 802.1p IEEE 802.1q VLAN IEEE 802.3ad LACP IEEE 802.3 2005 flow control support
HW Virtualization	PCI-SIG SR-IOV with up to 64 virtual functions per port for Linux, VMware, Windows
Interrupt Levels	INTA; MSI; MSI-X
WoL	No
Virtualization	VMDQ (Virtual Machine Device Queues) up to 64 pueues per port VMLB (Virtual Maschine Load Balancing) VIOM (Fujitsu Virtual IO Manager)
Teaming	all teaming functions provided by the OS
Remote boot support	iSCSI ; PXE
iSCSI support	Yes
Offloading	Tx/Rx IP, SCTP, TCP and UDP checksum offloading (IPv4 & IPv6) TX TCP segmentation offload (IPv4 & IPv6) Receive/Transmit Side Scaling for Windows and Scalable I/O for Linux (IPv4, IPV6, TCP/UDP)
Data transfer rate up to	40 Gbit/s

Order code	Product Name	Height of bracket	Number of ports	Related product
MC-0JXE91	PLAN EP X550-T2 2x10GBASE-T LP	Low Profile (LP)	2	PRIMERGY Server
MC-0JXE92	PLAN EP X550-T2 2x10GBASE-T	Full Height (FH)	2	PRIMERGY Server
MC-0JXEJ1	PLAN EP X550-T2 2x10GBASE-T LP	Low Profile (LP)	2	PRIMERGY Server
MC-0JXEJ2	PLAN EP X550-T2 2x10GBASE-T	Full Height (FH)	2	PRIMERGY Server
MCX0JXE91	PLAN EP X550-T2 2x10GBASE-T	Full Height / Low Profile	2	PRIMERGY Server
MCX0JXEJ1	PLAN EP X550-T2 2x10GBASE-T	Full Height / Low Profile	2	PRIMERGY Server
S26361-F3948-E202	PLAN EP X550-T2 2x10GBASE-T LP	Low Profile (LP)	2	PRIMERGY Server
S26361-F3948-E2	PLAN EP X550-T2 2x10GBASE-T	Full Height (FH)	2	PRIMERGY Server
S26361-F3948-L502	PLAN EP X550-T2 2x10GBASE-T	Full Height / Low Profile	2	PRIMERGY Server
S26361-F3948-L522	PLAN EP X550-T2 2x10GBASE-T	Full Height / Low Profile	2	PRIMERGY Server

## Supported Interface Modules / Cables

Description optional cable	10GBASE-T
	- 100m on Cat 6A or Cat 7
	- 55m on Cat 6 (compliant to TSB-155)
	1000BASE-T
	- 100m on Cat 5e, Cat 6, Cat 6A or CAT 7
	100BASE-T
- 100m on Cat 5e, Cat 6, Cat 6A or CAT 7	

---

### Environment

Power consumption	6.6 W / 100Mbps 9.5 W / 1Gbps 17.4 W / 10Gbps
-------------------	---

---

### 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	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

# More information

## Fujitsu products, solutions & services

In addition to Fujitsu with X550-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/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about FUJITSU Server X550-T2 2x 10GBase-T LAN Adapter, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. [www.fujitsu.com/primergy](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 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>



## Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/emeia/resources/navigation/terms-of-use.html>

Copyright 2021 FUJITSU LIMITED

## Disclaimer

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.