

Data Sheet

FUJITSU PLAN EP X710-T4 4x 10GBase-T Ethernet Network Adapter

X710-T4 4x 10GBase-T PCIe v3 x8 adapter

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.

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.



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10 GbE for the Broad Market. Intel(R) Ethernet 700 Series Network Adapters are the foundation for server connectivity, providing broad interoperability, critical performance optimizations, and increased agility for Telecommunications, Cloud, and Enterprise IT network solutions. The Intel Ethernet Network Adapter X710-T4 is the newest innovation in Intel's leadership to drive 10 GbE into the broad server market, and the easiest and most versatile 10GbE interface that can be deployed anywhere in the data center.

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 X710-T4 Quad Port PCIe adapter into a server and the autonegotiation between 1 GbE and 10 GbE provides the necessary backwards compatibility

Main Features	Benefits
Scalable performance <ul style="list-style-type: none">■ Intel® Ethernet Network Adapter X710-T4	■ Enables higher bandwidth and throughput from standard and low-profile PCIe slots and servers
Flexible OS support <ul style="list-style-type: none">■ Support for most Network Operating Systems	■ Enables widespread deployment
Efficient networking <ul style="list-style-type: none">■ Enhanced Network Virtualization Overlays	■ Network Virtualization offloads including VXLAN, GENEVE, NVGRE, MLPS, and VLAN-GPE; network traffic can be distributed across CPU cores, increasing network throughput
Connectivity <ul style="list-style-type: none">■ RJ45 Connections over CAT 6A Cabling	■ Ensures compatibility with cable length up to 100 meters. Backwards compatible with existing 100BASE-T and 1000BASE-T networks

Technical details

Technical details

Controller Silicon	Intel® Ethernet Controller XL710
Controller type	Ethernet Ctrl.
Connector type	RJ45
Released drivers list link	http://support.ts.fujitsu.com/Download/Index.asp
Number of ports	4
Number of Connectors	4
Number of external ports	4
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	8GT/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 128 virtual functions per device
Interrupt Levels	INTA; MSI; MSI-X
WoL	No
Virtualization	VMDq (Virtual Machine Device Queues) up to 256 maximum VMDq VMs supported PCI-SIG SR-IOV up to 128 per device. The physical configuration of each port is divided into multiple virtual ports VMLB (Virtual Maschine Load Balancing) provides traffic load balancing across VMs bound to the team interface
Teaming	Provided by the OS
Remote boot support	iSCSI; PXE
iSCSI support	Yes
Offloading	Tx/Rx IP, SCTP, TCP and UDP checksum offloading (IPv4 & IPv6). Benefit: lower processor usage. Checksum and segmentation capability to extend to new standard packet type
Data transfer rate up to	10 Gbit/s

Order code	Product Name	Height of bracket	Number of ports	Related product
MC-0JXF11	PLAN EP X710-T4	Low Profile (LP)	4	PRIMEQUEST Server
MCX0JXF11	PLAN EP X710-T4	Full Height / Low Profile	4	PRIMEQUEST Server
S26361-F3948-E204	PLAN EP X710-T4	Low Profile (LP)	4	PRIMERGY Server
S26361-F3948-E4	PLAN EP X710-T4	Full Height (FH)	4	PRIMERGY Server
S26361-F3948-L504	PLAN EP X710-T4	Full Height / Low Profile	4	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
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Environment

Power consumption	100 Mbps: typical 9.2W, maximum 14.9W 1GbE: typical 12.0W, maximum 18.1W 10GbE: typical 24.7W, maximum 28.9 W
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Compliance

Europe	CE
USA/Canada	FCC Class B UL
Japan	VCCI

Compliance	
South Korea	KCC
Australia/New Zealand	C-Tick
Taiwan	BSMI
Compliance notes	According to the corresponding system
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu products, solutions & services

In addition to Fujitsu with PLAN EP X710-T4 4x 10GBase-T Ethernet Network 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/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PLAN EP X710-T4 4x 10GBase-T Ethernet Network Adapter, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. 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>



Green Policy Innovation

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