

Data Sheet

PLAN EP X710-T2L OCPV3 2x 10GBase-T Ethernet Network Adapter

X710-T2L OCPV3 2x 10GBase-T

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.



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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-T2L OCPV3 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-T2L OCPV3 Dual Port OCPV3 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.

Features & Benefits

Main Features	Benefits
<p>Scalable performance</p> <ul style="list-style-type: none">■ Intel® Ethernet Network Adapter X710-T2L OCPV3	<ul style="list-style-type: none">■ Standard CAT 6a cabling with four RJ45 connectors for maximum system density
<p>Flexible technology options</p> <ul style="list-style-type: none">■ Enhanced Low-Profile Solution	<ul style="list-style-type: none">■ Enables higher bandwidth and throughput from standard and low-profile PCIe slots and servers
<p>Efficient networking</p> <ul style="list-style-type: none">■ RJ45 Connections over CAT 6A Cabling	<ul style="list-style-type: none">■ Ensures compatibility with cable length up to 100 meters. Backwards compatible with existing 100BASE-T and 1000BASE-T networks
<p>Connectivity</p> <ul style="list-style-type: none">■ Enhanced Network Virtualization Overlays	<ul style="list-style-type: none">■ Network Virtualization offloads including VXLAN, GENEVE, NVGRE, MLPS, and VLAN-GPE with Network Service Headers (NSH) preserve application performance for overlay networks, and the network traffic can be distributed across CPU cores, increasing network throughput

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	2
Number of Connectors	2
Number of external ports	2
Data transfer rate(s)	100 MBit/s; 1 Gbit/s; 10 Gbit/s
Auto Negotiation support	Yes
Bus interface	OCPV3
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
PYBLA342U	PLAN EP X710-T2L OCPV3	OCPV3	2	PRIMERGY Server
PY-LA342U	PLAN EP X710-T2L OCPV3	OCPV3	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

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	https://sp.ts.fujitsu.com/sites/certificates

Notes

Compatibility	If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing.
Performance	To the extent that specific performance specifications for the product are indicated in the product data sheet, these are usually also dependent on the specific use and workload of the product and may therefore not be reached equally in all application situations. Such performance specifications thus do not represent a specifically agreed characteristic or feature of the product, but only serves as an orientation. The responsibility for a sufficient sizing of the overall system functionality lies solely with the user.

More information

Fsas Technologies products, solutions & services

In addition to PLAN EP X710-T2L OCPV3 2x 10GBase-T Ethernet Network Adapter, Fsas Technologies provides a range of platform solutions. They combine reliable Fsas Technologies products with the best in services, know-how and worldwide partnerships.

Fsas Technologies Portfolio

Built on industry standards, Fsas Technologies offers a full portfolio of datacenter hardware, software and related services. This allows customers to select alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Data Center Solutions

<https://eu.fsastech.com/eu/>

More information

Learn more about PLAN EP X710-T2L OCPV3 2x 10GBase-T Ethernet Network Adapter, please contact your Fsas Technologies sales representative or Business partner, or visit our website.

<https://eu.fsastech.com/eu/products-services/primergy-servers/>

Fsas Technologies sustainability policy

Our product portfolio is developed with a commitment to environmental responsibility. For detailed product environmental information, please visit: <https://eu.fsastech.com/eu/about-us/sustainability/>

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Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.

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