

NIC/PCIe up to 10Gb SFP+x 4 Bulk (X710DA4FHBLK)

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The X710-DA4 adapter delivers four ports of wire-speed 10GbE and is backwards compatible to 1GbE. Intel 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.

Key Selling Points

Data protocols: 10 Gigabit Ethernet, iSCSI, NFS, SMB

Data transfer rate: 10Gbps, 1Gbps

Product Features

One adapter, one price

With the Intel's adapters, iSCSI and FCoE support are included in the price of an adapter. There is no need to purchase multiple adapters or additional licensing for an X710 adapter. It's simple and easy. Everything you need to unify your networking is included in a single SKU.

Network virtualization

Network virtualization is the next big trend in creating an agile data center. The family of X710 adapters are ready to help you take that next step.

Energy Efficient Ethernet (EEE)

Reduces power consumption during periods of low data activity. Energy is used to maintain the physical layer transmitters in a "ready state" to transmit data on the wire. During periods of low data traffic, EEE sends a low-power-idle signal to put the transmitters into a "low power state" saving power and cost. When data needs to be sent, EEE sends a normal idle signal to wake up the transmit system before data is due to be sent so there is no degradation of performance.

Main specifications

Product Description	Intel Ethernet Converged Network Adapter X710-DA4 - network adapter - PCIe 3.0 x8 - 10 Gigabit SFP+ x 4
Device Type	Network adapter
Form Factor	Plug-in card
Interface (Bus) Type	PCI Express 3.0 x8
Ports	10 Gigabit SFP+ x 4
Dimensions (WxDxH)	16.7 cm x 11.1 cm
Data Link Protocol	1GbE, 10GbE
Data Transfer Rate	10 Gbps
Network / Transport Protocol	TCP/IP, UDP/IP, iSCSI, SMB, NFS
Compliant Standards	IEEE 802.3, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3ad (LACP), IEEE 802.1as, IEEE 802.1Qbg
System Requirements	Red Hat Linux 7.0, Microsoft Windows Server 2008 x64 Edition, Microsoft Windows Server 2008 R2 x64 Edition, Linux Kernel 2.6.32, FreeBSD 9, VMware ESXi 5.1, Microsoft Windows Server 2012 x64 Edition, Microsoft Windows Server 2012 R2 x64 Edition, SuSE Linux Enterprise Server 11 SP3, Red Hat Enterprise Linux 6.5, VMware ESXi 5.5, FreeBSD 10, SuSE Linux Enterprise Server 12
Manufacturer Warranty	Limited lifetime warranty

Extended specification

General

Device Type	Network adapter
Form Factor	Plug-in card
Interface (Bus) Type	PCI Express 3.0 x8

Expansion / Connectivity

Interfaces	4 x 1Gb Ethernet/10Gb Ethernet - SFP+
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Manufacturer Warranty

Service & Support	Limited warranty - lifetime
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Networking

Ports	10 Gigabit SFP+ x 4
Connectivity Technology	Wired
Data Link Protocol	Gigabit Ethernet, 10 Gigabit Ethernet
Data Transfer Rate	10 Gbps
Network / Transport Protocol	TCP/IP, UDP/IP, iSCSI, SMB, NFS
Remote Management Protocol	SNMP, RMON
Status Indicators	Port transmission speed, link/activity
Features	Flow control, VLAN support, packet filtering, IPv6 support, TCP/IP offloading, QoS, VMDq, IPv4 support, teaming support, PXE support, LSO, GSO, RSS, SR-IOV, DCB, ALB, Energy Efficient Ethernet, TSO, checksum offload support, UDP/IP offloading, WDT, iSCSI boot
Compliant Standards	IEEE 802.3, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3ad (LACP), IEEE 802.1as, IEEE 802.1Qbg

Miscellaneous

Compliant Standards	FCC Class B certified, UL, VCCI, C-Tick, BSMI, RoHS, KCC, Directive 2011/65/EU, MSA SFF-8431
Package Type	Bulk

Software / System Requirements

OS Required	Red Hat Linux 7.0, Microsoft Windows Server 2008 x64 Edition, Microsoft Windows Server 2008 R2 x64 Edition, Linux Kernel 2.6.32, FreeBSD 9, VMware ESXi 5.1, Microsoft Windows Server 2012 x64 Edition, Microsoft Windows Server 2012 R2 x64 Edition, SuSE Linux Enterprise Server 11 SP3, Red Hat Enterprise Linux 6.5, VMware ESXi 5.5, FreeBSD 10, SuSE Linux Enterprise Server 12
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	55 °C

Dimensions & Weight

Depth	16.7 cm
Height	11.1 cm

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