

Intel X710-DA2 Internal Fiber 40000 Mbit/s

Brand : Intel

Product code: X710DA2G1P5

Product name : X710-DA2



Ethernet Converged Network Adapter X710-DA2

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Intel® Data Direct I/O Technology is a platform technology that improves I/O data processing efficiency for data delivery and data consumption from I/O devices. With Intel DDIO, Intel® Server Adapters and controllers talk directly to the processor cache without a detour via system memory, reducing latency, increasing system I/O bandwidth, and reducing power consumption.

Intel® Ethernet Power Management Technology provides solutions to common power management approaches by reducing idle power, reducing capacity and power as a function of demand, operating at maximum energy efficiency whenever possible, and enabling functionality only when needed.

Single-Root I/O Virtualization (SR-IOV) involves natively (directly) sharing a single I/O resource between multiple virtual machines. SR-IOV provides a mechanism by which a Single Root Function (for example a single Ethernet Port) can appear to be multiple separate physical devices.

Ports & interfaces		Operational conditions	
Connectivity technology *	Wired	Storage relative humidity (H-H)	0 - 90%
Host interface *	PCI Express	Other features	
Interface *	Fiber	Data transfer rate	8 GT/s
Fiber ports quantity	2	Cable type	SFP+ Direct Attached Twinaxial Cabling up to 10m
PCI Card form factor	Half-height (low-profile)	Number of VLANs	4096
Network		Intel Virtual Machine Device Queues (VMDq)	✓
Maximum data transfer rate *	40000 Mbit/s	PCI-SIG* SR-IOV Capable	✓
Networking standards *	IEEE 802.1Q, IEEE 802.1as, IEEE 802.1p, IEEE 802.3, IEEE 802.3ad	On-chip QoS and Traffic Management	✓
Ethernet interface type	40 Gigabit Ethernet	Intel Flexible Port Partitioning	✓
Ethernet LAN data rates	40000 Mbit/s	Intelligent Offloads	✓
Cabling technology	10GBase-T	iWARP/RDMA	✗
VLAN tagging	✓	Fiber Channel over Ethernet	✗
iSCSI support	✓	Intel Ethernet Power Management	✓
LAN controller	Intel® X550	Intel Data Direct I/O Technology	✓
Design		Intel Virtualization Technology for Connectivity (VT-c)	✓
Product colour	Green, Silver	Interface type	PCIe v3.0 (8.0 GT/s)
Internal *	✓	Product type	13
System requirements		Status	Launched
Compatible operating systems	intel.com/support/EthernetOS	Ethernet adapter ARK ID	83964
Linux operating systems supported	✓	Product family	Intel 10 Gigabit server adapter
Server operating systems supported	Windows Server 2008 R2, Windows Server 2008 R2 x64, Windows Server 2012 R2, Windows Server 2012 R2 x64	Product series	Intel Converged X710
Operational conditions		Product codename	Fortville
Operating temperature (T-T)	0 - 55 °C		
Storage temperature (T-T)	-40 - 70 °C		

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