Intel X710-DA2 Internal Fiber 40000 Mbit/s

Brand : Intel

Product code: X710DA2G1P5

Product name : X710-DA2

Ethernet Converged Network Adapter X710-DA2

Intel X710-DA2 Internal Fiber 40000 Mbit/s:

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	
Connectivity technology *	Wired
Host interface *	PCI Express
Interface *	Fiber
Fiber ports quantity	2
PCI Card form factor	Half-height (low-profile)
Network	
Maximum data transfer rate *	40000 Mbit/s
Networking standards *	IEEE 802.1Q, IEEE 802.1as, IEEE 802.1p, IEEE 802.3, IEEE 802.3ad
Ethernet interface type	40 Gigabit Ethernet
Ethernet LAN data rates	40000 Mbit/s
Cabling technology	10GBase-T
VLAN tagging	✓
iSCSI support	✓
LAN controller	Intel® X550
Design	
Product colour	Green, Silver
Internal *	✓
System requirements	
Compatible operating systems	intel.com/support/EthernetOS
Linux operating systems supported	✓
Server operating systems supported	Windows Server 2008 R2, Windows Server 2008 R2 x64, Windows Server 2012 R2, Windows Server 2012 R2 x64
Operational conditions	
Operating temperature (T-T)	0 - 55 °C
Storage temperature (T-T)	-40 - 70 °C

Operational conditions	
Storage relative humidity (H-H)	0 - 90%
Other features	
Data transfer rate	8 GT/s
Cable type	SFP+ Direct Attached Twinaxial Cabling up to 10m
Number of VLANs	4096
Intel Virtual Machine Device Queues (VMDq)	✓
PCI-SIG* SR-IOV Capable	✓
On-chip QoS and Traffic Management	✓
Intel Flexible Port Partitioning	✓
Intelligent Offloads	✓
iWARP/RDMA	✗
Fiber Channel over Ethernet	✗
Intel Ethernet Power Management	✓
Intel Data Direct I/O Technology	✓
Intel Virtualization Technology for Connectivity (VT-c)	✓
Interface type	PCIe v3.0 (8.0 GT/s)
Product type	13
Status	Launched
Ethernet adapter ARK ID	83964
Product family	Intel 10 Gigabit server adapter
Product series	Intel Converged X710
Product codename	Fortville

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