

NIC/PCIe up to 10Gb RJ45 x 4 Retail (X710T4L)

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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.

Key Selling Points

Flexible Port Partitioning
Virtual Machine Device Queues (VMDq)
iWARP/RDMA

Product Features

Virtual Machine Device Queues (VMDq)
Virtual Machine Device Queues (VMDq) is a technology designed to offload some of the switching done in the VMM (virtual machine monitor) to networking hardware specifically designed for this function. VMDq drastically reduces overhead associated with I/O switching in the VMM which greatly improves throughput and overall system performance.

iWARP/RDMA
iWARP delivers converged, low-latency fabric services to data centers through Remote Direct Memory Access (RDMA) over Ethernet.

Main specifications

Product Description	Intel Ethernet Network Adapter X710-T4L - network adapter - PCIe 3.0 x8 - 100M/1G/2.5G/5G/10 Gigabit Ethernet x 4
Device Type	Network adapter
Form Factor	Plug-in card - low profile
Interface (Bus) Type	PCI Express 3.0 x8
PCI Specification Revision	PCIe 3.0
Ports	100M/1G/2.5G/5G/10 Gigabit Ethernet x 4
Data Link Protocol	10GbE, 5GbE, 2.5GbE, 1GbE, 100Mb LAN
Data Transfer Rate	10 Gbps
Network / Transport Protocol	iSCSI, NFS

Extended specification

General

Device Type	Network adapter
Form Factor	Plug-in card - low profile
Interface (Bus) Type	PCI Express 3.0 x8
PCI Specification Revision	PCIe 3.0

Expansion / Connectivity

Interfaces	4 x 1/2.5/5/10GBase-T - RJ-45
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Networking

Ports	100M/1G/2.5G/5G/10 Gigabit Ethernet x 4
Connectivity Technology	Wired
Data Link Protocol	10 Gigabit Ethernet, 5 Gigabit Ethernet, 2.5 Gigabit Ethernet, Gigabit Ethernet, Fast Ethernet
Data Transfer Rate	10 Gbps

Network / Transport Protocol	iSCSI, NFS
Features	VT-c, VMDq, FPP, DDIO Technology, intelligent offloads

Miscellaneous

Package Type	Retail
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