

Intel XL710QDA2OCP network card Internal Fiber 40000 Mbit/s

Brand : Intel

Product code: XL710QDA2OCP

Product name : XL710QDA2OCP



Ethernet Server Adapter XL710-QDA2 for Open Compute Project
 Intel XL710QDA2OCP. Internal. Connectivity technology: Wired, Host interface: PCI Express, Interface: Fiber. Maximum data transfer rate: 40000 Mbit/s. Product colour: Black, Green

Ports & interfaces		Other features	
Connectivity technology *	Wired	Target market	Artificial Intelligence, High Performance Computing
Host interface *	PCI Express	Flow control support	✓
Interface *	Fiber	Number of VLANs	4096
Ethernet LAN (RJ-45) ports	2	Intel Virtual Machine Device Queues (VMQ)	✓
Fiber ports quantity	2	PCI-SIG® SR-IOV Capable	✓
Fiber optic connector	QSFP+	On-chip QoS and Traffic Management	✓
PCI version	3.0	Intel Flexible Port Partitioning	✓
		Speed & slot width	8.0 GT/s, x8 Lane
		Low halogen options available	✗
		Intelligent Offloads	✓
		iWARP/RDMA	✗
		Intel Data Direct I/O Technology	✓
		Intel Virtualization Technology for Connectivity (VF-C)	✓
		Interface type	PCIe v3.0 (8.0 GT/s)
		Storage Over Ethernet	iSCSI, NFS
		Launch date	Q3'16
		Network interface card cable medium	Copper
		Network interface card type	Server
		Product brief URL	http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/ethernet-server-adapter-xl710-ocp-brief.pdf
		Product type	Network Interface Card
		Status	Launched
		Last change	64826844
		Processor family	700 Network Adapters (up to 40GbE)-700 Network Adapters (up to 40GbE)
		Ethernet adapter ARK ID	96045
		Export Control Classification Number (ECCN)	5A991
		Commodity Classification	NA
		Automated Tracking System (CCATS)	
		Controller type	Intel® Ethernet Controller XL710
		Cabling type	QSFP+ Direct Attach Copper Cable (Twinaxial)(1-7m) / 40GBASE-SR4 Optics also supported (Purchase Intel branded optics separately)
		Bracket height	OCP form factor (Mezz 2.0 Design Spec)
		Product family	Intel 10 Gigabit server adapters
		Product series	700 Series Network Adapters (up to 40GbE)
Network			
Maximum data transfer rate *	40000 Mbit/s		
Networking standards *	IEEE 802.1Q, IEEE 802.1Qbg, IEEE 802.1as, IEEE 802.1p, IEEE 802.3, IEEE 802.3ad		
Ethernet interface type	10 Gigabit Ethernet, 40 Gigabit Ethernet		
Ethernet LAN data rates	10000,40000 Mbit/s		
Fiber ethernet cabling technology	40GBASE-SR4		
VLAN tagging	✓		
iSCSI support	✓		
Load balancing system	✓		
Maximum operating distance	7 m		
LAN controller	Intel® XL710		
Design			
Product colour	Black, Green		
Internal *	✓		
System requirements			
Compatible operating systems	https://www.intel.com/content/www/us/en/support/articles/000025890/network-and-io/ethernet-products.html		
Linux operating systems supported	✓		
Operational conditions			
Operating temperature (T-T)	0 - 55 °C		
Storage temperature (T-T)	-40 - 70 °C		
Storage relative humidity (H-H)	0 - 90%		
Logistics data			
Harmonized System (HS) code	85176990		
Other features			
Data transfer rate	8 GT/s		
Cable type	QSFP+ Direct Attach Copper Cable (Twinaxial)(1-7m) / 40GBASE-SR4 Optics also supported (Purchase Intel branded optics separately)		
Market segment	Server		



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