Intel XXV710DA1BLK network card Internal Fiber 25000 Mbit/s

Brand : Intel

Product code: XXV710DA1BLK

Product name : XXV710DA1BLK

Ethernet Network Adapter XXV710-DA1

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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.

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.

Flexible Port Partitioning (FPP) technology utilizes industry standard PCI SIG SR-IOV to efficiently divide your physical Ethernet device into multiple virtual devices, providing Quality of Service by ensuring each process is assigned to a Virtual Function and is provided a fair share of the bandwidth.







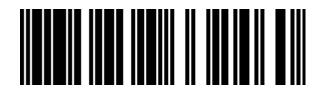
Ports & interfaces		Other features		
Ports & Interfaces		Market segment	Server	
Connectivity technology *	Wired	Target market Number of VLANs	Artificial Intelligence, High Performance Computing 4096	
Host interface *	PCI Express	Intel Virtual Machine Device Queues (VMDq)		
		PCI-SIG* SR-IOV Capable	1	
Interface *	Fiber	On-chip QoS and Traffic Management	4	
Ethernet LAN (RJ-45) ports	1	Intel Flexible Port Partitioning	4	
Eibor ports quantity	1	Speed & slot width	8.0 GT/s, x8 Lane	
Fiber ports quantity	1	Low halogen options available Intelligent Offloads	× .	
Fiber optic connector	SFP28	iWARP/RDMA	×	
•	3.0	Intel Data Direct I/O Technology	√	
PCI version	3.0	Intel Virtualization Technology for Connectivity (VT-c)	4	
PCI Card form factor	Full-height (low-profile)	Interface type	PCIe v3.0 (8.0 GT/s)	
	5 (1)	Storage Over Ethernet	ISCSI, NFS	
Network		Launch date	Q1'17	
		Network interface card cable medium	Copper	
Maximum data transfer rate *	25000 Mbit/s	Network interface card type	Server	
	IEEE 802.1Q, IEEE 802.1as, IEEE	Product brief URL Product type	http://www.intel.com/content/www/us/en/ethernet-products/network-adapters/ethernet-xxv710-brief.html Network Interface Card	
Networking standards *		Status	Launched	
5	802.1p, IEEE 802.3, IEEE 802.3ad	Last change	63903513	
	10 Gigabit Ethernet, Gigabit	Processor family	700 Network Adapters (up to 40GbE)-700 Network Adapters (up to 40GbE)	
Ethernet interface type	Ethernet	Ethernet adapter ARK ID	95261	
		Export Control Classification Number (ECCN)	5A991	
Ethernet LAN data rates	1000,10000,25000 Mbit/s	Commodity Classification	NA	
VLAN tagging	1	Automated Tracking System (CCATS)	NA	
	•	Cabling type	SFP28 Direct Attach twinaxial cabling up to 5m / SFP28 SR and LR Optics also supported	
iSCSI support	✓	Bracket height Product family	Low-Profile (LP) / Full-Height (FH) Intel® 25 Gigabit Server Adapters	
Maximum operating distance	5 m	Product series	700 Series Network Adapters (up to 40GbE)	
Haxinan operating distance	5 111			
Design				
Product colour	Black, Green			
Internal *	✓			
System requirements				
Compatible operating systems https://www.intel.com/content/www/us/en/support/articles/000025890/network-and-i-o/ethernet-products.html				
Linux exerction supported				

Linux operating systems supported V Server operating systems supported Vindows Server 2008 R2, Windows Server 2008 R2 x64, Windows Server 2012 R2, Windows Server 2012 R2

Operational conditions

Operating temperature (T-T)	0 - 55 °C
Storage temperature (T-T)	-40 - 70 °C
Storage relative humidity (H-H)	0 - 90%

Sustainability	
Sustainability certificates	RoHS
Logistics data	
Harmonized System (HS) code	85176990
Other features	
Data transfer rate	8 GT/s
Cable type	SFP28 Direct Attach twinaxial cabling up to 5m / SFP28 SR and LR Optics also supported







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