

Intel X520QDA1 network card Internal Ethernet / Fiber 10000 Mbit/s

Brand : Intel

Product code: X520QDA1

Product name : X520QDA1



Ethernet Converged Network Adapter X520-QDA1

Intel X520QDA1. Internal. Connectivity technology: Wired, Host interface: PCI Express, Interface: Ethernet / Fiber. Maximum data transfer rate: 10000 Mbit/s. Product colour: Black, Green



Ports & interfaces		Other features	
Connectivity technology *	Wired	Intel® Virtualization Technology (Intel® VT)	VT-c
Host interface *	PCI Express	Thermal power	20 W
Interface *	Ethernet / Fiber	Intel Virtual Machine Device Queues (VMDq)	✓
Ethernet LAN (RJ-45) ports	1	PCI-SIG* SR-IOV Capable	✓
Fiber ports quantity	1	On-chip QoS and Traffic Management	✓
Fiber optic connector	QSFP+	Intel Flexible Port Partitioning	✓
PCI version	3.0	Speed & slot width	8.0 GT/s, x8 Lane
Network		Low halogen options available	✗
Maximum data transfer rate *	10000 Mbit/s	Intelligent Offloads	✓
Networking standards *	IEEE 802.1as, IEEE 802.3	iWARP/RDMA	✗
Ethernet LAN	✓	Intel Data Direct I/O Technology	✓
Ethernet LAN data rates	10,100,1000,10000 Mbit/s	Receive Side Scaling (RSS)	✓
Jumbo frames support	✓	Intel Virtualization Technology for Connectivity (VT-c)	✓
Supported network protocols	Tx/Rx IP, SCTP, TCP, UDP	Interface type	PCIe v3.0 (8.0 GT/s)
Quality of Service (QoS) support	✓	Storage Over Ethernet	iSCSI, FCoE, NFS
Maximum operating distance	10 m	Conflict-Free	✓
LAN controller	Intel® 82599	Born on date	Q2'14
Design		Launch date	Q2'14
Product colour	Black, Green	Network interface card cable medium	Copper
Internal *	✓	Network interface card type	Server
Plug and Play	✓	Product name	Intel Ethernet Converged Network Adapter X520-QDA1
LED indicators	Activity, Link	Product type	Network Interface Card
Certification	FCC B, UL, CE, VCCI, BSMI, CTICK, KCC	Status	Discontinued
Power		Thermal Design Power (TDP)	20 W
Power consumption (typical)	16.7 W	Number of QPI links	Single
Operational conditions		Last change	63903513
Operating temperature (T-T)	0 - 55 °C	Ethernet adapter ARK ID	68672
Storage temperature (T-T)	-40 - 70 °C	Export Control Classification Number (ECCN)	5A992C
Storage relative humidity (H-H)	0 - 90%	Commodity Classification Automated Tracking System (CCATS)	G135872
Sustainability		Controller type	Intel 82599
Sustainability certificates	RoHS	Cabling type	QSFP+ Direct Attach Twin Axial Cabling up to 10m
Weight & dimensions		Bracket height	Low-Profile (LP) / Full-Height (FH)
Width	68.6 mm	Product family	Intel 10 Gigabit server adapter
Depth	169.2 mm		
Logistics data			
Harmonized System (HS) code	8517620090		

Other features

Cable type	QSFP+ Direct Attach Twin Axial Cabling up to 10m
Market segment	Server
Flow control support	✓

Other features

Product series	500 Series Network Adapters (up to 10GbE)
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