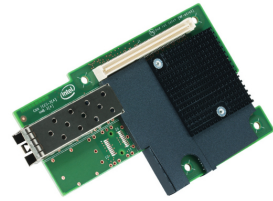


Intel X520DA1OCP network card Internal Fiber 10000 Mbit/s

Brand : Intel

Product code: X520DA1OCP

Product name : X520DA1OCP



Ethernet Server Adapter X520-DA1 for Open Compute Project
 Intel X520DA1OCP. Internal. Connectivity technology: Wired, Host interface: PCI Express, Interface: Fiber. Maximum data transfer rate: 10000 Mbit/s. Product colour: Black, Green

Ports & interfaces

Connectivity technology *	Wired
Host interface *	PCI Express
Interface *	Fiber
Ethernet LAN (RJ-45) ports	1
Fiber ports quantity	1
Fiber optic connector	SFP+
PCI version	2.0
PCI Card form factor	Full-height

Network

Maximum data transfer rate *	10000 Mbit/s
Networking standards *	IEEE 802.1as, IEEE 802.3
Ethernet LAN	✓
Ethernet LAN data rates	10,1000 Mbit/s
Fiber ethernet cabling technology	1000BASE-LX, 10GBASE-LR, 10GBASE-SR
Supported network protocols	TCP, UDP, IP
Maximum operating distance	10 m
LAN controller	Intel® 82599

Other features

Market segment	Server
Intel Virtual Machine Device Queues (VMQs)	✓
PCI-SIG® SR-IOV Capable	✓
On-chip QoS and Traffic Management	✓
Intel Flexible Port Partitioning	✓
Storage-over-ethernet	✓
Speed & slot width	5.0 GT/s, x8 Lane
Low halogen options available	✗
Intelligent Offloads	✓
iWARP/RDMA	✗
Intel Ethernet Power Management	✓
Intel Data Direct I/O Technology	✓
Receive Side Scaling (RSS)	✓
Intel Virtualization Technology for Connectivity (VT-c)	✓
Interface type	PCIe v2.0 (5.0 GT/s)
Storage Over Ethernet	iSCSI, NFS
Born on date	Q3'13
Launch date	Q3'13
Network interface card cable medium	Copper
Network interface card type	Server
Product brief URL	https://www.intel.com/content/www/us/en/ethernet-products/converged-network-adapters/server-adapter-x520-da1-da2-for-ocp-brief.html
Product name	Intel Ethernet Server Adapter X520-DA1 for Open Compute Project
Product type	Network Interface Card
Status	Launched
Number of QPI links	Single
Last change	64826832
Ethernet adapter ARK ID	84807
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	G135872
Controller type	Intel 82599
Cabling type	SFP+ Direct Attached Twin Axial Cabling up to 10m
Bracket height	No bracket
Product family	Intel 10 Gigabit server adapter
Product series	500 Series Network Adapters (up to 10GbE)
Product codename	Niantic

Design

Component for *	Server
Product colour	Black, Green
Internal *	✓
LED indicators	✓

Power

Power consumption (typical)	8.71 W
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System requirements

Compatible operating systems	https://www.intel.com/content/www/us/en/support/articles/000025890/network-and-i-o/ethernet-products.html
Linux operating systems supported	RedHat EL Linux 5.0, RedHat EL Linux 6.0
Other operating systems supported	FreeBSD
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, 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)	35 - 90%

Logistics data

Harmonized System (HS) code	8517620090
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Other features

Cable type	SFP+ Direct Attached Twin Axial Cabling up to 10m
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