

Intel E10G42BTDA network card Internal Ethernet 10000 Mbit/s

Brand : Intel

Product code: E10G42BTDA

Product name : E10G42BTDA

Ethernet Server Adapter X520-DA2

Intel E10G42BTDA. Internal. Connectivity technology: Wired, Host interface: PCI Express, Interface: Ethernet. Maximum data transfer rate: 10000 Mbit/s



Ports & interfaces

Connectivity technology *	Wired
Host interface *	PCI Express
Interface *	Ethernet
Ethernet LAN (RJ-45) ports	2
Fiber optic connector	SFP+
PCI version	2.0

Network

Maximum data transfer rate *	10000 Mbit/s
Ethernet LAN data rates	10,1000 Mbit/s
Full duplex	✓
Maximum operating distance	10 m
LAN controller	Intel® 82599

Design

Internal *	✓
Chipset	Intel® 82599EN
Plug and Play	✓
Certification	FCC B, UL, CE, VCCI, BSMI, CTICK, KCC

System requirements

Compatible operating systems <https://www.intel.com/content/www/us/en/support/articles/000025890/network-and-i-o/ethernet-products.html>

Operational conditions

Operating temperature (T-T)	0 - 55 °C
Storage temperature (T-T)	-40 - 70 °C

Weight & dimensions

Width	145.5 mm
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Logistics data

Harmonized System (HS) code	85176990
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Other features

Compliance industry standards	IEEE 802.3
Cable type	SFP+ Direct Attached Twin Axial Cabling up to 10m
Market segment	Server
Data transfer rate	10 Gbit/s
Ports quantity	2
Link/Act LED	✓
Intel® Virtualization Technology (Intel® VT)	VT-c

Other features

On-chip QoS and Traffic Management	✓
Intel Flexible Port Partitioning	✓
Speed & slot width	5.0 GT/s, x8 Lane
Message signal interrupt	✓
Low halogen options available	✗
Intelligent Offloads	✓
IWARP/RDMA	✗
Fiber Channel over Ethernet	✓
Intel Ethernet Power Management	✓
Intel Data Direct I/O Technology	✓
Intel Virtualization Technology for Connectivity (VT-c)	✓
Interface type	PCIe v2.0 (5.0 GT/s)
Storage Over Ethernet	iSCSI, FCoE, NFS
Born on date	Q3'09
Launch date	Q3'09
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/ethernet-x520-server-adapters-brief.html
Product name	Intel Ethernet Converged Network Adapter X520-DA2
Product type	Network Interface Card
Status	Launched
Thermal Design Power (TDP)	8.6 W
Number of QPI links	Dual
Last change	64826816
Processor family	500 Network Adapters (up to 10GbE)-500 Network Adapters (up to 10GbE)
Ethernet adapter ARK ID	39776
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	G135872
Controller type	Intel® 82599 10 Gigabit Ethernet Controller
Cabling type	SFP+ Direct Attached Twin Axial Cabling up to 10m
Bracket height	Low-Profile (LP) / Full-Height (FH)
Product family	Intel 10 Gigabit server adapter
Product series	500 Series Network Adapters (up to 10GbE)
Product codename	Spring Fountain

Other features

- Intel Virtual Machine Device Queues (VMDq) ✓
- PCI-SIG* SR-IOV Capable ✓



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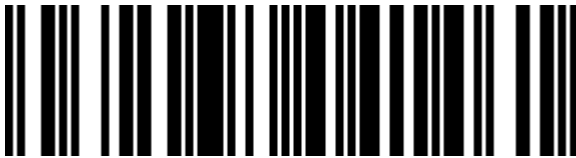
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