

Product Specification

10Gigabit Ethernet Networking Server Adapter, 10Gbase-X

MT-X520-10G-DA2

KEY FEATURES

- Low cost, low power, 10GigabitEthernet (10GbE) performance for the entire datacenter
- Backward compatibility with existing 1000BASE-X networks simplifies the transition to 10GbE
- Flexible I/O virtualization for port partitioning and quality of service (QoS) of up to 64 virtual ports
- Unified networking delivering LAN, iSCSI and FCoE in one low cost CAN



MAIN TECHNICAL PARAMETERS

- Applicable network type: 10 Gigabit Ethernet
- Transmission rate: 1000/10000Mbps
- Bus type: PCI-E X8
- Speed and slot width: 5.0 GT/s, x8 Lane
- Network interface type: SFP+
- Transmission media type: Fiber optic
- LED indicator: 2
- Field of application: Server
- Main Controller: Intel 82580DB
- Operating Temperature: 0-55centigrade, Operating Humidity: 85%,
- Storage Temperature: -20-65centigrade, Storage Humidity: 85%
- Support operating system: Microsoft Windows 2003 Server, Microsoft Windows Vista, Windows Virtual Server 2005, Red Hat Enterprise Linux- 4 or later, SUSE SLES 10 or later, Professional 9.2 or late, FreeBSD 5.x or later
- Advanced technology; I/O virtualization, FPP, VMDq, SR-IOV, FCoE, iSCSI, IPMI rooted by SMBus or NC-SI, iSCSI/FCoE; WoL, PXE remote root, VLAN filter

OTHER TECHNICAL PARAMETERS

- NC connector: Yes
- Jumbo Frame: Yes
- 1000Base-X: Yes
- 10GBase-X: Yes
- On-chip QoS and flow control: Yes
- Flexible port partitioning: Yes
- Virtual Machine Device Queue (VMDq): Yes
- Support PCI-SIG- SR-IOV: Yes

- Intel Virtualization Technology for Connectivity (VT-c) (Intel Connection virtualization technology) VMDq, SR-IOV
- Ethernet Fibre Channel: Yes
- MACsec IEEE 802.1 AE: Yes
- IEEE 1588: Yes
- Intel Data Direct I/O Technology: Yes
- Intelligent Offload: Yes
- Ethernet storage: iSCSI, FCoE, N

PRODUCT SELECTION

Part Number	Product Description
MT-X520-10G-DA2	10Gigabit Ethernet Networking Server Adapter (2*1000Base-X/10G Base-X), Dual SFP+, optical, Intel 8599 based

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