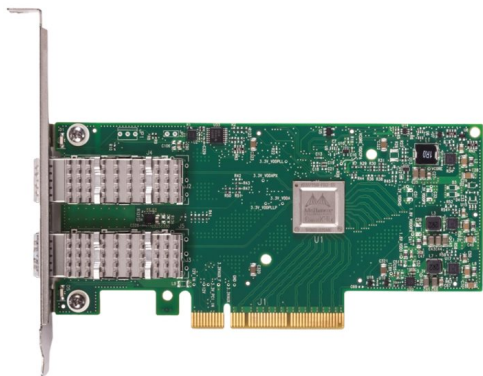


Mellanox ConnectX-4 Lx - network adapter - PCIe 3.0 x8 - 25 Gigabit SFP28 x 1



15-05-2024

SKU	01GR250
Product Description:	Mellanox ConnectX-4 Lx - network adapter - PCIe 3.0 x8 - 25 Gigabit SFP28 x 1
Device Type:	Network adapter
Form Factor:	Plug-in card
Interface (Bus) Type:	PCI Express 3.0 x8
Ports:	25 Gigabit SFP28 x 1
Data Link Protocol:	25GbE
Data Transfer Rate:	25 Gbps

General

Device Type:	Network adapter
Form Factor:	Plug-in card
Interface (Bus) Type:	PCI Express 3.0 x8

Networking

Ports:	25 Gigabit SFP28 x 1
Connectivity Technology:	Wired
Data Link Protocol:	25 Gigabit Ethernet
Data Transfer Rate:	25 Gbps
Capacity:	Number of physical functions: 16 ; Number of virtual functions: 256
Network / Transport Protocol:	TCP/IP, UDP/IP, uDAPL, SMB, NFS

Compatibility Information

Designed For:	Lenovo NeXtScale nx360 M5 5465 ; Lenovo System x3550 M5 5463, 8869 ; Lenovo System x3650 M5 5462, 8871 ; Lenovo System x3850 X6 6241 ; Lenovo System x3950 X6 6241 ; Lenovo ThinkAgile HX2320 Appliance 7X83 ; Lenovo ThinkAgile HX3321 Certified Node 7Y89 ; Lenovo ThinkAgile HX3520-G Appliance 7X84 ; Lenovo ThinkAgile HX3721 Certified Node 7Y88 ; Lenovo ThinkAgile HX7520 Appliance 7X84 ; Lenovo ThinkAgile HX7820 Appliance 7Y95, 7Z08 ; Lenovo ThinkAgile HX7821 Certified Node 7Y96, 7Z09 ; Lenovo ThinkAgile VX 15E Certified Node 7Z58 ; Lenovo ThinkAgile VX 1U Certified Node 7Y93 ; Lenovo ThinkAgile VX Certified Node 7Y94, 7Z12 ; Lenovo ThinkAgile VX1320 Appliance 7Z58 ; Lenovo ThinkAgile VX3320 Appliance 7Y93 ; Lenovo ThinkAgile VX3520-G Appliance 7Y94 ; Lenovo ThinkAgile VX3720 Appliance 7Y92 ; Lenovo ThinkAgile VX5520 Appliance 7Y94 ; Lenovo ThinkAgile VX7520 Appliance 7Y94 ; Lenovo ThinkAgile VX7820 Appliance 7Z13 ; Lenovo ThinkSystem SD530 ; Lenovo ThinkSystem SR250 ; Lenovo ThinkSystem SR630 ; Lenovo ThinkSystem SR650 ; Lenovo ThinkSystem ST550
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Environmental Parameters

Min Operating Temperature:	0 °C
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Networking

Features:	MPLS support, TCP/IP offloading, QoS, Jumbo Frames support, RDMA support, PXE support, LSO, LRO, RSS, UEFI support, SR-IOV, Energy Efficient Ethernet, tagged VLAN, MSI-X, UDP/IP offloading, iSCSI remote boot, Ethernet remote boot, PFC, VXLAN, NVGRE, Link Aggregation, SDN, XRC transport, DCT, UMR, ODP, Mellanox PeerDirect

Compliant Standards:	IEEE 802.1Q, IEEE 802.1p, IEEE 802.3ad (LACP), IEEE 802.3ae, IEEE 802.3az, IEEE 802.1Qbb, IEEE 802.1Qaz, IEEE 802.1Qau, IEEE 802.1Qbg, IEEE 1588v2, IEEE 802.3by
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Expansion / Connectivity

Interfaces:	1 x 25Gb Ethernet - SFP28
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Miscellaneous

Compliant Standards:	VCCI, CB, EMC, FCC, RoHS, ICES, cTUVus, RCM
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Power

Power Consumption Operational:	9.47 Watt
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Environmental Parameters

Max Operating Temperature:	55 °C
Humidity Range Operating:	0 - 90%

Manufacturer Warranty

Service & Support:	Limited warranty - 1 year
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Software / System Requirements

OS Required:	Microsoft Windows Server 2012, Microsoft Windows Server 2012 R2, SuSE Linux Enterprise Server 12 SP1, SuSE Linux Enterprise Server 11 SP4 for AMD64/EM64T,
	Red Hat Enterprise Linux 7 Update 2, Red Hat Linux Enterprise Server 6 Update 7 x64 Edition, VMware vSphere 5.5 (ESXi) Update 3, VMware vSphere 6.0 (ESXi) Update 2

