

Lenovo 00MM950 network card Internal Fiber 40000 Mbit/s

Gamintojas: **LENOVO** · Modelis: **00MM950** · EAN: **889488417285** · Prekės kodas: **766727**



627,91 €

Kaina su PVM

Be PVM: **518,93 €**

Sandėlyje



Prekė internetu

Nuskenaukite kodą arba apsilankykite www.shopro.lt

Pagrindinės savybės

- ✓ ConnectX-4 Lx Ethernet adapters
- ✓ The ConnectX-4 Lx adapters discussed in this product guide offer a high performance Ethernet adapter solution for Ethernet speeds up to 40 Gb/s, enabling seamless networking, clustering, or storage. The Lx adapters reduce application runtime, and offer the flexibility and scalability to make infrastructure run as efficiently and productively as possible
- ✓ ConnectX-4 100 Gb Ethernet / EDR InfiniBand
- ✓ ConnectX-4 with Virtual Protocol Interconnect (VPI) offers the highest throughput VPI adapter, supporting EDR 100Gb/s InfiniBand and 100Gb/s Ethernet and enabling any standard networking, clustering, or storage to operate seamlessly over any converged network leveraging a consolidated software stack
- ✓ I/O Virtualization
- ✓ ConnectX-4 SR-IOV technology provides dedicated adapter resources and guaranteed isolation and protection for virtual machines (VMs) within the server. I/O virtualization with ConnectX-4 gives data center administrators better server utilization while reducing cost, power, and cable complexity, allowing more Virtual Machines and more tenants on the same hardware
- ✓ Overlay Networks
- ✓ In order to better scale their networks, data center operators often create overlay networks that carry traffic from individual virtual machines over logical tunnels in encapsulated formats such as NVGRE and VXLAN. While this solves network scalability issues, it hides the TCP packet from the hardware offloading engines, placing higher loads on the host CPU. ConnectX-4 Lx effectively addresses this by providing advanced NVGRE and VXLAN hardware offloading engines that encapsulate and de-encapsulate the overlay protocol header as well as offloads TCP stateless activities on the encapsulated packet
- ✓ RDMA over Converged Ethernet (RoCE)
- ✓ ConnectX-4 adapters supports RoCE specifications delivering low-latency and high-performance over Ethernet networks. The ConnectX-4 VPI adapter also supports IBTA RDMA (Remote Data Memory Access) for InfiniBand network performance. Leveraging data center bridging (DCB) capabilities as well as ConnectX-4 advanced congestion control hardware mechanisms, RoCE provides efficient low-latency RDMA services over Layer 2 and Layer 3 networks

Aprašymas

ConnectX-4 from Mellanox is a family of high-performance and low-latency Ethernet and InfiniBand adapters. The ConnectX-4 Lx EN adapters are available in 40 Gb and 25 Gb Ethernet speeds and the ConnectX-4 Virtual Protocol Interconnect (VPI) adapters support either InfiniBand or Ethernet.

These adapters address virtualized infrastructure challenges, delivering best-in-class performance to various demanding markets and applications. Providing true hardware-based I/O isolation with unmatched scalability and efficiency, achieving the most cost-effective and flexible solution for Web 2.0, Cloud, data analytics, database, and storage platforms.

The following figure shows the Mellanox ConnectX-4 2x100GbE/EDR IB QSFP28 VPI Adapter (the standard heat sink has been removed in this photo).

Techninė specifikacija

Ports & interfaces	
Connectivity technology	Wired
Host interface	PCI Express
Interface	Fiber
Fiber ports quantity	1

Fiber optic connector	QSFP+
PCI Card form factor	Full-height (low-profile)
Network	
Maximum data transfer rate	40000 Mbit/s
Networking standards	IEEE 802.1Q, IEEE 802.1Qau, IEEE 802.1Qaz, IEEE 802.1Qbb, IEEE 802.1Qbg, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3ap, IEEE 802.3az, IEEE 802.3ba
Jumbo frames support	Yes
Auto-negotiation	Yes
Design	
Internal	Yes
Component for	Server
Product colour	Green
Safety	CB, cTUVus, CE
Certification	CE, FCC, VCCI, ICES, RCM
System requirements	
Compatible operating systems	Microsoft Windows Server 2012 (no SR-IOV support) Microsoft Windows Server 2012 R2 Microsoft Windows Server 2016 Red Hat Enterprise Linux 6 Server x64 Edition, U7 Red Hat Enterprise Linux 7, U2 SUSE LINUX Enterprise Server 11 for AMD64/EM64T, SP4** SUSE LINUX Enterprise Server 12, SP1** VMware ESXi 5.5, U3* VMware ESXi 6.0, U2*
Operational conditions	
Operating temperature (T-T)	0 - 55 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	0 - 90%
Storage relative humidity (H-H)	0 - 90%
Packaging data	
Quantity per pack	1 pc(s)
Technical details	
Compliance certificates	RoHS

Gamintojo ir saugos informacija

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