Lenovo.

# Lenovo 01GR250 network card Fiber 25000 Mbit/s

**Brand :** Lenovo

**Product name :** 01GR250

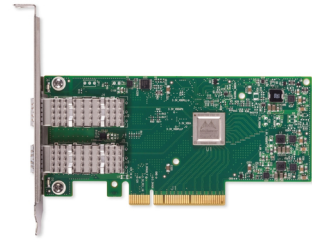**Product code:** 01GR250

Mellanox ConnectX-4 Lx 2x25GbE SFP28

Lenovo 01GR250 network card Fiber 25000 Mbit/s:

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.
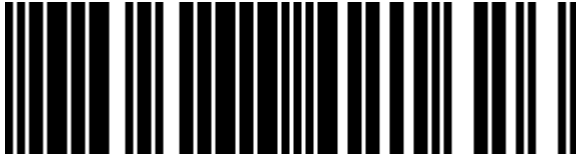
These adapters address virtualized infrastructure challenges, delivering best-in-class performance to various demanding markets and applications. Providing true hardware-based I/O isolation with unmatched scalability and efficiency, achieving the most cost-effective and flexible solution for Web 2.0, 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).
Lenovo 01GR250. Connectivity technology: Wired, Host interface: PCI Express, Interface: Fiber.
Maximum data transfer rate: 25000 Mbit/s. Product colour: Green

## Ports & interfaces

| | |
|---|---|
| Connectivity technology * | Wired |
| Host interface * | PCI Express |
| Interface * | Fiber |
| Fiber ports quantity | 2 |
| Fiber optic connector | SFP28 |
| PCI version | 3.0 |
| PCI Card form factor | Full-height (low-profile) |

## Network

| | |
|---|---|
| Maximum data transfer rate * | 25000 Mbit/s |
| Networking standards * | IEEE 802.1AX, IEEE 802.1Q, IEEE 802.1Qau, IEEE 802.1Qaz, IEEE 802.1Qbb, IEEE 802.1Qbg, IEEE 802.3ad, IEEE 802.3az |

## Design

| | |
|---|---|
| Component for * | Server |
| Product colour | Green |
| Internal * | ✗ |
| 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 |

## Packaging data

| | |
|---|---|
| Quantity | 1 |

## Technical details

| | |
|---|---|
| Compliance certificates | RoHS |

## Logistics data

| | |
|---|---|
| Harmonized System (HS) code | 85176990 |

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