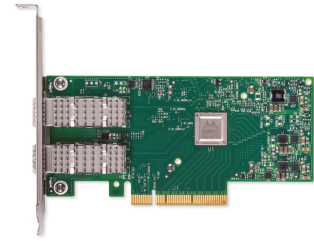# Lenovo 7ZT7A00507 network card Internal Fiber 25000 Mbit/s

Brand : Lenovo

Product name : 7ZT7A00507

Product code: 7ZT7A00507

ThinkSystem Mellanox ConnectX-4 Lx ML2 25Gb 2-Port SFP28 Ethernet Adapter

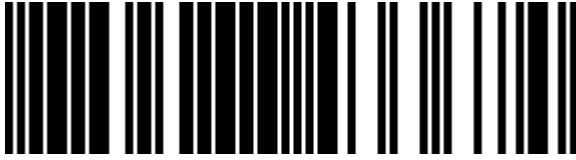Lenovo 7ZT7A00507 network card Internal Fiber 25000 Mbit/s:

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).

RoHS
2002/95/EC

Ports & interfaces

Connectivity technology *	Wired
Host interface *	PCI Express
Interface *	Fiber
Fiber ports quantity	2
Fiber optic connector	SFP28
PCI version	3.0

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

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
Operating relative humidity (H-H)	0 - 90%

Packaging data

Quantity	1

Technical details

Compliance certificates	RoHS

Logistics data

Harmonized System (HS) code	85176990

0889488433674

889488433674