

Cx6 network card optical module temperature



Overview

Module temperature is within safe range (-10°C to 80°C), though close to the upper limit. Three thermal threshold definitions impact the overall system operation state: Warning - 105°C: On managed systems only: When the device crosses the 105°C threshold, a Warning Threshold. Uses Vertical-Cavity Surface-Emitting Lasers operating at 850 nm — ideal for short-distance optical connections. Active Optical Cable (AOC) using either optical or copper technologies. Manufacturer is Mellanox (now part of NVIDIA), with part number MFS1S00-H010E and firmware revision A7. Temp is warning high for CX6 or CX7 cards - NetApp Knowledge Base Chassis temperature is too warm: IOX. [node_name:. ConnectX®-6 connectivity provides the highest performing low latency and most flexible interconnect solution for PCI Express Gen 3. 0 servers used in enterprise data centers and high-performance computing environments. ConnectX-6 Virtual Protocol Interconnect® adapter cards provide up to two. This User Manual describes NVIDIA® Mellanox® □ ConnectX®-6 Dx Ethernet adapter cards. View and Download Mellanox ConnectX-6 Dx instruction. The EEPROM capacity is 128Kbit. FRU I2C address is (0x50) and is accessible through the PCIe SMBus (Available only in QSFP cards).

Article Content

Feb 02, 2026

Specifications

b. Typical power for ATIS traffic load. c. Airflow is measured in wind tunnel. d. The LFM number is based on a thermotical 1.5W module. The actual

Mar 27, 2026

NVIDIA ConnectX-6 Dx Ethernet Adapter Cards User Manual

This User Manual describes NVIDIA® ConnectX®-6 Dx Ethernet adapter cards. It provides details as to the interfaces of the board, specifications, required software and firmware for

Jul 01, 2025

Specifications

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How To View Mellanox NIC Port Status And Optical

Moduletek provides a full range of optical modules compatible with Mellanox network adapters and switches. Welcome to purchase. Moduletek Limited is at your service.

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Monitoring

ConnectX-6 IC has a thermal shutdown safety mechanism that automatically shuts down the ConnectX-6 card in cases of high-temperature events, improper thermal coupling, or heatsink

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Using mlxlink to Inspect the Status of NVIDIA CX-6 NICs

This article provides a practical guide to using the mlxlink command to inspect the link and module status of NVIDIA's ConnectX-6 (CX-6) network

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Troubleshooting

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InfiniBand/Ethernet

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NVIDIA ConnectX-6 InfiniBand/Ethernet Adapter Cards User Manual

This manual is intended for the installer and user of these cards. The manual assumes basic familiarity with InfiniBand and Ethernet network and architecture specifications.

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NVIDIA MELLANOX CONNECTX-6 LX

LENOVO 25G ETHERNET SMARTNIC NVIDIA® Mellanox® ConnectX®-6 Lx SmartNICs deliver scalability, high-performance, advanced security capabilities, and accelerated networking with the

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Mellanox ConnectX-6 Dx operation manual

ConnectX-6 Dx IC has a thermal shutdown safety mechanism that automatically shuts down the ConnectX-6 Dx card in cases of high-temperature event,

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Nvidia Mellanox ConnectX-6 Dx Series User Manual

Mellanox ConnectX-6 Dx Series network card pdf manual download. Also for: Mellanox mcx621102acadat, Mellanox mcx621102anadat, Mellanox

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NVIDIA ConnectX-7 Adapter Cards User Manual

Network traffic is transmitted through the adapter card networking connectors. The networking connectors allow for the use of modules, optical and passive cable interconnect solutions

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NVIDIA ConnectX-6 Ethernet Adapter Cards User Manual

ConnectX-6 IC has a thermal shutdown safety mechanism that automatically shuts down the ConnectX-6 card in cases of high-temperature events, improper thermal coupling, or heatsink removal.

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An In-Depth Guide to the Working Temperature of

Learn about the working temperature ranges of optical transceivers, how temperature affects their performance, and the factors that influence these

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Chassis temperature is too warm: IOX ... Temp is warning high for

Chassis temperature is too warm: IOX ... Temp is warning high for CX6 or CX7 cards

May 14, 2026

NVIDIA ConnectX-6 Dx Ethernet Adapter Cards User Manual

The network ports of the ConnectX-6 Dx adapter card are compliant with the IEEE 802.3 Ethernet standards listed in Features and Benefits. Ethernet traffic is transmitted through the SFP28 / SFP56 /

Nov 20, 2025

NVIDIA CONNECTX-6 USER MANUAL Pdf Download

Airflow Requirements ConnectX-6 Lx adapter cards are offered with two airflow patterns: from the heatsink to the network ports, and vice versa, as shown below.

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NVIDIA Mellanox ConnectX-6 Ethernet SmartNIC Data Sheet

NVIDIA® ConnectX®-6 Dx is a highly secure and advanced smart network interface card (SmartNIC) to accelerate mission-critical data center applications, such as security, virtualization, big data, machine

Jan 04, 2026

ConnectX-6 Dx 2x100G OCP Ethernet NIC | NVIDIA

Environmental Specifications Temperature Operational: 0°C to 55°C (32°F to 131°F) Non-operational: -40°C to 70°C (-40°F to 158°F) The non-operational storage temperature specifications apply to the

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Mellanox ConnectX®-6 VPI Adapter Cards User Manual for Dell EMC ...

Mellanox Socket Direct® technology offers improved performance to dual-socket servers by enabling direct access from each CPU in a dual-socket server to the network through its dedicated PCIe

Apr 10, 2026

Nvidia Mellanox ConnectX-6 MCX654106A-ECAT User

Need help? Do you have a question about the Mellanox ConnectX-6 MCX654106A-ECAT and is the answer not in the manual?

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NVIDIA Mellanox ConnectX-6 Ethernet Adapter Cards User Manual

Socket Direct 2x PCIe3.0 x16, tall bracket ConnectX®-6 EN adapter card, 200GbE, dual-port QSFP56, PCIe4.0 x16, tall bracket This manual is intended for the installer and user of these cards. The

Aug 09, 2025

ConnectX-3_UM.book

Upon installation completion, you can verify the successful addition of the network card(s) through the Device Manager. To see the Mellanox network adapter device, and the Ethernet or IPoIB network

Jul 19, 2025

NVIDIA ConnectX-6 Dx Ethernet Adapter Cards for OCP Spec 3.0

The network ports of the ConnectX®-6 Dx adapter card are compliant with the IEEE 802.3 Ethernet standards listed in Features and Benefits. Ethernet traffic is transmitted through the networking

Contact Us

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