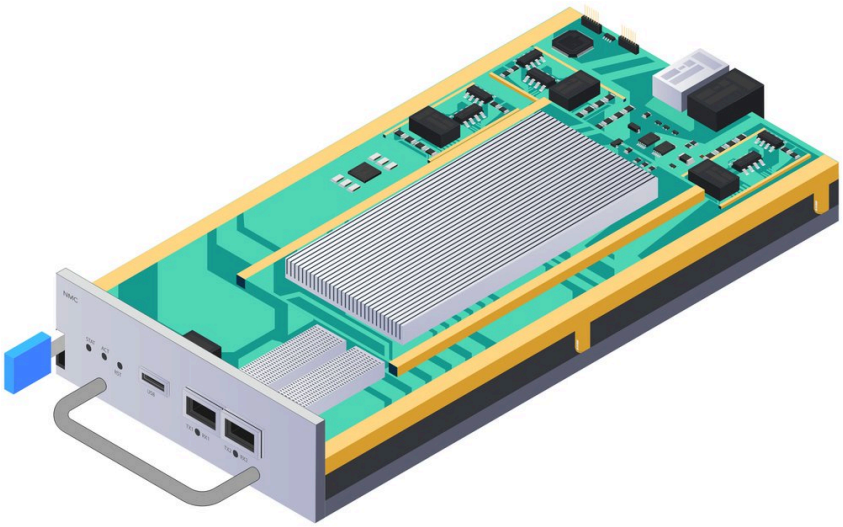
nex·gen

OTN SYSTEMS DCI PLATFORMS

Network Management Card for DCI Chassis

The NMC Card is the network management interface of the OTN DCI platform. It provides the interface between the equipment and the network management system, coordinates management of every board in the device, and handles overhead and optical supervisory channel processing. It occupies one dedicated management slot (the 1U chassis has one, the 2U chassis two), supports dual main-control 1+1 redundancy on the 2U platform, and configuration is preserved and automatically restored across power cycling and board replacement.



HIGHLIGHTS

1+1 main-control redundancy

On the 2U chassis, with two NMC cards: automatic and manual main/standby switching; if the active board fails, the device keeps working and the new board passively picks up the full configuration.

Hot-swappable

Can be plugged, unplugged and replaced without impacting the business running on the platform.

Dedicated management slot

Occupies one dedicated management slot, separate from the service-card slots: one on the 1U chassis, two on the 2U chassis.

Configuration persistence

Configuration survives power-down and is restored automatically on power-up; replaced

service boards and fans automatically receive the prior configuration.

Full management interface

Command-line CLI, Web LCT, GUI (B/S architecture), SNMP and NETCONF/YANG open API access, plus DCN communication over the optical supervisory channel.

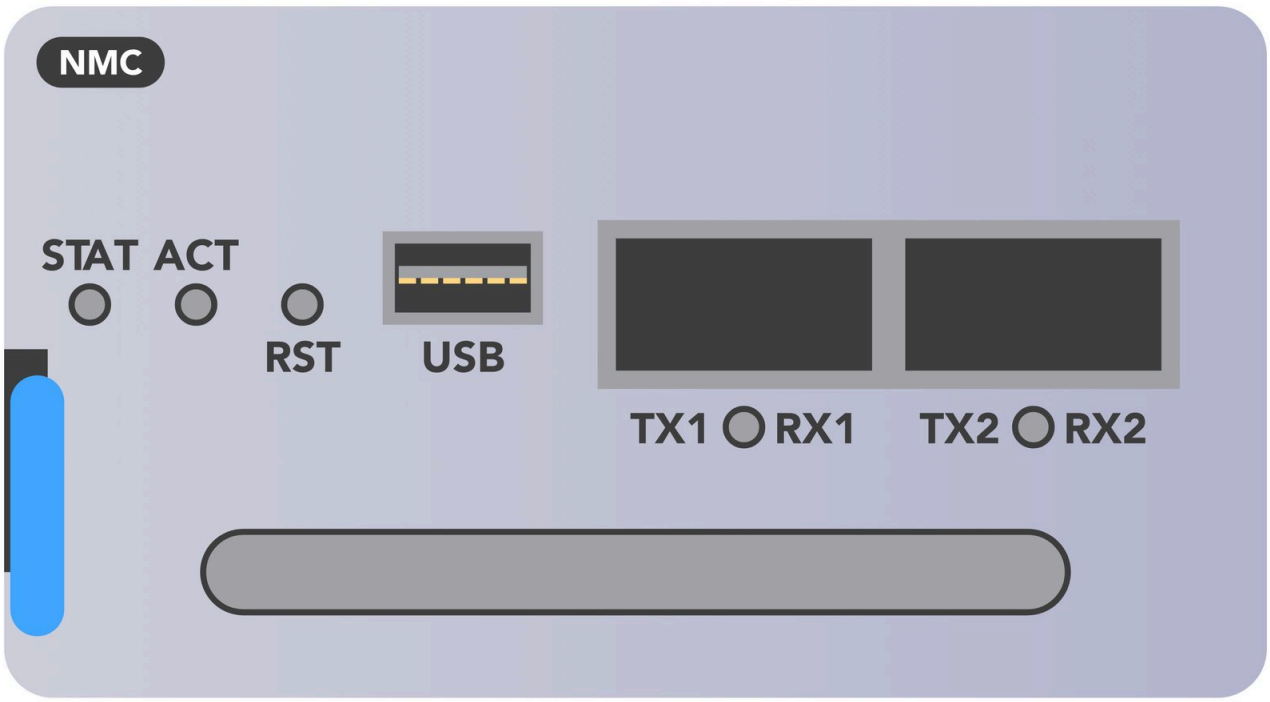
Remote & local upgrades

Supports remote online software upgrade, with a USB interface for on-site upgrade and log export.

Status indicators

Front-panel operation status indicator and main/standby status indicator for at-a-glance diagnostics.

FRONT PANEL



FORMAT

CARD FOR DCI CHASSIS MANAGEMENT SLOT

SPECIFICATIONS

Control & Protection	
Protection Function	Main control 1+1 backup (2U chassis, two management slots), automatic and manual switching
Slot	1 dedicated management slot, separate from the chassis service-card slots (1U chassis: 1 management slot; 2U chassis: 2)
Configuration Handling	Persists across power cycling; automatically pushed to replacement boards

Management	
Network Management Method	CLI command line · Web LCT · GUI (B/S architecture) · SNMP, NETCONF/YANG open API
DCN Communication	Supported over the optical supervisory channel (OSC)
Maintenance Function	Remote online upgrade; local upgrade and log export via USB

Mechanical	
Operating Temperature	−5°C–+45°C (short term) · 0°C–+40°C (long term)
Operating Humidity	5%–95%, non-condensing
Storage Temperature	−40°C–+70°C

ORDERING INFORMATION

NAME	Network Management Card for DCI Chassis
DESCRIPTION	Main control card for the OTN DCI platform, fitted in a dedicated management slot separate from the chassis service-card slots (1 management slot on the 1U chassis, 2 on the 2U chassis). Provides the interface to the network management system, board-level configuration management and optical supervisory channel processing. Supports 1+1 main-control redundancy on the 2U platform, hot-swap, and CLI / Web LCT / SNMP / NETCONF / GUI management, with automatic configuration restore after replacement or power cycling.
PART NUMBER	**DCI-NMC-1MS**

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