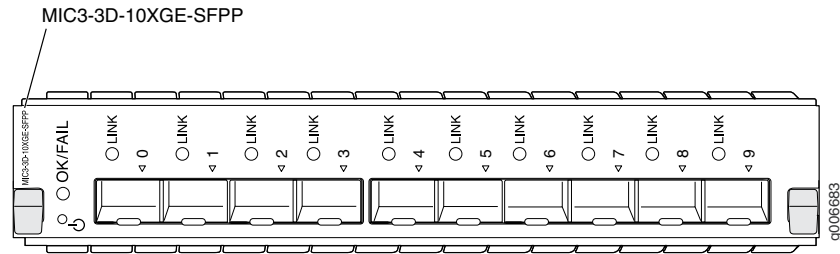


10-Gigabit Ethernet MIC with SFP+ (10 Ports)

Figure 21: 10-Gigabit Ethernet MIC with SFP+



Software release • Junos 12.3 and later

Description

- Ten 10-Gigabit Ethernet ports
- Power requirement: 0.62 A @ 48 V (29.8 W)
- Weight: 1.54 lb (0.70 kg)
- Model number: MIC3-3D-10XGE-SFPP
- Name in the CLI: **3D 10xGE SFPP**

Hardware features

- High-performance throughput on each port at speeds up to 10 Gbps
- Supports 10 SFP+ pluggable optic ports
- Voltage Sequencer for local voltage sequence control and monitoring
- LAN-PHY mode at 10.3125 Gbps
- WAN-PHY mode at 9.95328 Gbps
- Maximum transmission units (MTUs) of up to 9192 bytes

Software features

- Configurable LAN-PHY and WAN-PHY mode options per port
- Synchronous Ethernet support
- Optical diagnostics and related alarms
- Virtual Router Redundancy Protocol (VRRP) support
- IEEE 802.1Q virtual LANs (VLANs) support
- Remote monitoring (RMON) EtherStats
- Source MAC learning
- MAC accounting and policing—Dynamic local address learning of source MAC addresses
- Flexible Ethernet encapsulation
- Multiple tag protocol identifiers (TPID)

Cables and connectors **TIP:** You can use the [Hardware Compatibility Tool](#) to find information about the pluggable transceivers supported on your Juniper Networks device.

The list of supported transceivers for the MX Series is located at <https://pathfinder.juniper.net/hct/category/#catKey=100001&modelType=All&pf=MX+Series>.

NOTE: SFPP-10GE-ZR has a commercial temperature rating and is not NEBS compliant when plugged into the 10-Gigabit Ethernet MIC with SFP+. If the ambient air temperature exceeds 40 degrees C, the software disables the transmitter, which takes the optical transceiver offline.

NOTE: SFPP-10G-DT-ZRC2 is not NEBS compliant when plugged into the MIC3-3D-10XGE-SFPP MIC. If the ambient air temperature exceeds 40 degrees C, Junos OS disables the transmitter, which takes the optical transceiver offline.

LEDs

OK/FAIL LED, one bicolor:

- Green—MIC is functioning normally.
- Red—MIC has failed.

LINK LED, one per SFP+ port:

- Off—No link.
- Green—Link is up.
- Yellow—Link is disabled.

The ports are labeled:

- **Port [0] to Port [9]**



NOTE: The MIC3-3D-10XGE-SFPP MIC has one logical PIC. When the MIC is installed in slot 0 of an MPC the PIC number is 0, and when the MIC is installed in slot 1 of an MPC the PIC number is 2. For example, when the MIC is installed in slot 3 of the MX960 router, in slot 1 of the MPC, the interfaces are numbered ge-3/2/0 through ge-3/2/9.