

10-Gigabit Ethernet MICs with XFP

Figure 19: 2-Port 10-Gigabit Ethernet MIC with XFP

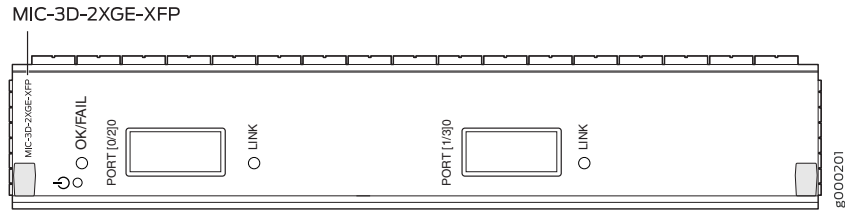
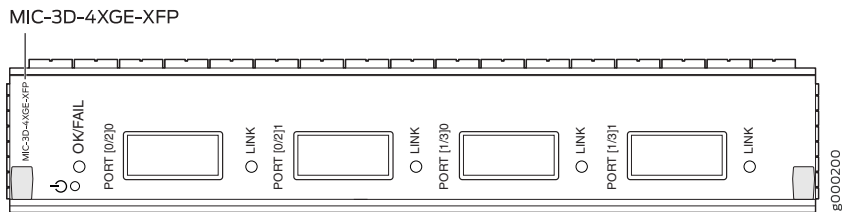


Figure 20: 4-Port 10-Gigabit Ethernet MIC with XFP



Software release

- 2-port: Junos 10.2 and later
- 4-port: Junos 10.1 and later

For information on which MPCs support these MICs, see [“MIC/MPC Compatibility” on page 26](#).
For information on which MICs are supported on MX Series routers, see [“MICs Supported by MX Series Routers” on page 18](#).

Description

- Two or four 10-Gigabit Ethernet ports
- Power requirement:
 - 2-port: 0.6 A @ 48 V (29 W)
 - 4-port: 0.56 A @ 48 V (27 W)
- Weight:
 - 2-port: 1 lb (0.45 kg)
 - 4-port: 1.1 lb (0.5 kg)
- Model number:
 - 2-port: MIC-3D-2XGE-XFP
 - 4-port: MIC-3D-4XGE-XFP
- Name in the CLI:
 - 2-port: **3D 2X10GE XFP**
 - 4-port: **3D 4X10GE XFP**

- Hardware features
- High-performance throughput on each port at speeds up to 10 Gbps
 - LAN-PHY mode at 10.3125 Gbps
 - WAN-PHY mode at 9.953 Gbps
 - Maximum transmission units (MTUs) of up to 9192 bytes

- Software features
- Configurable LAN-PHY and WAN-PHY mode options
 - 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)

Interfaces

Syntax: *xe-fpc/pic/port* where:

- fpc: Slot in the router where the MPC is installed
- pic:
 - 2-port: 0 when installed in MIC slot 0; 3 when installed in MIC slot 1
 - 4-port: 0 or 1 when installed in MIC slot 0; 2 or 3 when installed in MIC slot 1
- port:
 - 2-port: 0
 - 4-port: 0 or 1

For example, *xe-1/3/0* is the interface for port 0 on the MIC installed in MIC slot 1 on an MPC installed in slot 1.

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>.

LEDs

OK/FAIL LED, one bicolor:

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

LINK LED, one green per port:

- Off—No link.
- On steadily—Link is up with or without activity.

The ports are labeled:

- 2-port: [0/2]0, [1/3]0
- 4-port: [0/2]0, [0/2]1, [1/3]0, and [1/3]1