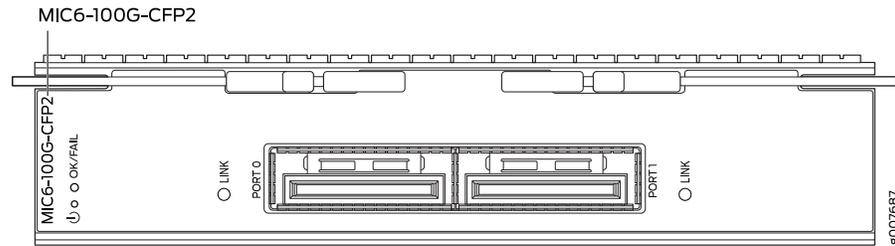


## 100-Gigabit Ethernet MIC with CFP2



- Software release
- Junos 13.3R3 and later
- For information about which MPCs support this MIC, see [“MIC/MPC Compatibility” on page 26](#). For information about which MICs are supported on MX Series routers, see [“MICs Supported by MX Series Routers” on page 18](#).

- Description
- Two 100-Gigabit Ethernet CFP2 ports
  - Power requirement: 2 A @ 52 V (104 W)
  - Weight: 2.4 lb (1.09 kg)
  - Model number: MIC6-100G-CFP2
  - Name in the CLI: **2X100GE CFP2 OTN**

- Hardware features
- Line-rate throughput of up to 100 Gbps per port
  - Supports CFP2 pluggable optics
  - Supports LAN (103.125 Gbps) and OTN/OTU4 (111.81 Gbps) on a per-port basis
  - Provides IEEE 1588 time-stamping at physical interface for improved accuracy
  - Maximum transmission units (MTUs) of up to 9192 bytes

- Software features
- Optical transport network (OTN) support for 100-Gigabit Ethernet interfaces
  - Compliant with ITU-T specifications
  - Transparent transport of 100-Gigabit Ethernet signals with OTU4 framing
  - Optical diagnostics and related alarms
  - Configurable 100-Gigabit Ethernet or OTN options per port
  - Virtual Router Redundancy Protocol (VRRP) support
  - IEEE 802.1Q VLAN support
  - IEEE 802.1ad support
  - Remote monitoring (RMON) EtherStats
  - Source MAC learning
  - MAC accounting and policing—Dynamic local address learning of source MAC addresses
  - In-service software upgrade (Unified ISSU)

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:**

- CFP2-100G-ER4-D is not NEBS compliant on the MX960 router in FPC slot 0 or FPC slot 11.
- CFP2-DCO-T-WDM-1 is not NEBS compliant on the MX960 router or the MX2020 router in FPC slot 0 or FPC slot 11. Slots 0 and 11 can only work with an ambient temperature of up to 40° C.

**NOTE:** When inserting the CFP2 transceiver, ensure that the transceiver sits tightly in the port. You will hear a distinct click sound when the latch locks into the corresponding port. The latch must be fully engaged in the corresponding port for the CFP2 transceiver to function properly. Failing to do so will result in loss of connection.

To verify that the CFP2 transceiver module is inserted properly, give a gentle pull by grasping the sides of the module. The module should sit tightly.

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