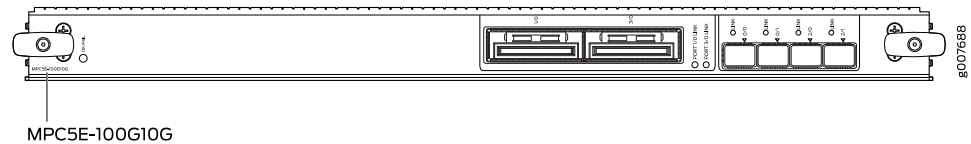


## 2x100GE + 4x10GE MPC5E



### Software release

- Junos OS Release 13.3R3 and later

### Description

- Fixed-configuration MPC with two 100-Gigabit Ethernet ports and four 10-Gigabit Ethernet ports
- Weight: 21 lb (9.52 kg)
- Model number: MPC5E-100G10G
- Name in the CLI: **MPC5E 3D 2CGE+4XGE**

### Hardware features

- Line-rate throughput of up to 240 Gbps
- Supports up to 32,000 queues per-slot
- LAN-PHY mode at 10.3125 Gbps on a per-port basis
- WAN-PHY mode at 9.95328 Gbps on a per-port basis
- Supports maximum transmission unit (MTU) size of 9,192 bytes for host bound packets. For Junos OS 16.1R1 and later releases, the MTU size supported is 9,500 bytes.
- The ports are labeled as:
  - 10-Gigabit Ethernet ports: **0/0**, **0/1**, **2/0**, and **2/1**
  - 100-Gigabit Ethernet ports: **1/0** and **3/0**

**NOTE:** On MX960 routers, all the MPC slots work with the ambient temperature of up to 40° C. However, when the chassis temperature exceeds 40° C, slots **0** and **11** can work with MPC1s, MPC2s, and the 16x10GE MPC.

### Software features

- Configurable LAN-PHY and WAN-PHY mode options per 10-Gigabit Ethernet port
- Optical diagnostics and related alarms
- Intelligent oversubscription services
- See “[Protocols and Applications Supported by the MPC5E for MX Series Routers](#)” on page 359 for information about the protocols and applications that this MPC supports.

**NOTE:** On MX240, MX480, and MX960 routers, MPC5E powers on only if the **network-services** mode on the router is configured to either **enhanced-ip** or **enhanced-ethernet**. On MX2010 and MX2020 routers, only **enhanced-ip** is supported.

### 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.

### Power requirements

- Typical: 10.52 A @ 48 V (505 W)
- At different temperatures:
  - 55° C: 607 W
  - 40° C: 541 W
  - 25° C: 511 W