2x100GE + 8x10GE MPC4E

MPC4E-3D-2CGE-8XGE

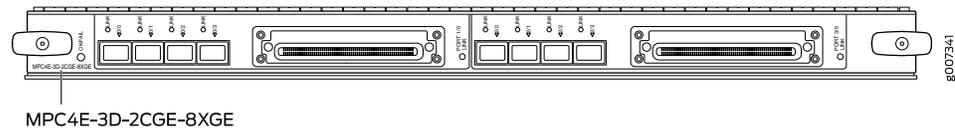|	
Software release	• Junos OS Release 12.3R2 and later
Description	• Fixed configuration MPC with two 100-Gigabit Ethernet ports and eight 10-Gigabit Ethernet ports • Power requirement: 12.7 A @ 48 V (610 W) • Weight: 19.4 lb (8.8 kg) • Model number: MPC4E-3D-2CGE-8XGE

Hardware features	• Line-rate throughput of up to 260 Gbps
	• WAN-PHY mode at 10 Gbps on a per-port basis
	• Supported only on the MX960, MX480, and MX240 routers with high-capacity power supplies and high-capacity fan trays.
	• 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** through **0/3**
	  ◦ 100-Gigabit Ethernet ports: **PORT 1/0**
	  ◦ 10-Gigabit Ethernet ports: **2/0** through **2/3**
	  ◦ 100-Gigabit Ethernet ports: **PORT 3/0**

Software features	• Optical diagnostics and related alarms • Configurable LAN-PHY and WAN-PHY mode options per 10-Gigabit Ethernet port • Up to 260 Gbps of full-duplex traffic • Intelligent oversubscription services • Local loopback • Configurable to interoperate with routers that use the 100-Gigabit Ethernet PIC (Type 4 PIC on Type 4 FPC) • See "Protocols and Applications Supported on the MPC4E for MX Series Routers" on page 351 for information about the protocols and applications that this MPC supports.
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 2x100GE + 8x10GE MPC4E. If the ambient air temperature exceeds 40ºC, Junos OS disables the transmitter, which takes the optical transceiver offline. NOTE: SFPP-10G-DT-ZRC2 is not NEBS compliant when plugged into the MPC4E-3D-2CGE-8XGE MPC. If the ambient air temperature exceeds 40ºC, Junos OS disables the transmitter, which takes the optical transceiver offline. NOTE: CFP-100GBASE-LR4 and CFP-100GBASE-ZR are not NEBS compliant when plugged into the 2x100GE + 8x10GE MPC4E. If the ambient air temperature exceeds 40ºC, the software disables the transmitter, which takes the optical transceiver offline. NOTE: On the MX960 router, FPC slot **0** and FPC slot **11** are not NEBS compliant beyond 104ºF (40ºC). This is a cooling restriction.