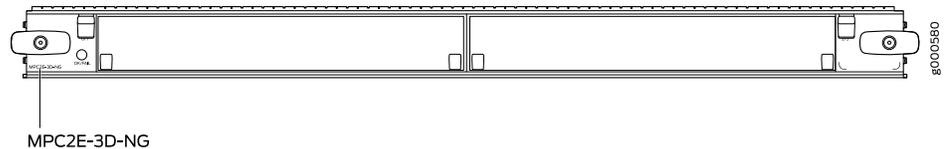


MPC2E NG



Software release	<ul style="list-style-type: none"> Junos OS releases 14.1R4, 14.2R3 and Junos Continuity, Junos OS release 15.1 and later. Refer to “MIC/MPC Compatibility” on page 26 for information about which MICs are supported on this MPC. Refer to the JTAC Knowledgebase article https://kb.juniper.net/KB21476 for recommended software releases.
Description	<ul style="list-style-type: none"> 80 Gbps capacity without hierarchical quality of service (HQoS) Requires high-capacity fan trays and high-capacity filter trays Weight: 15.96 lb (7.26 kg) Model numbers: MPC2E-3D-NG Name in the CLI: MPC2E NG PQ & Flex Q Add-on license provides limited additional flexible queuing. <p>NOTE: MPC2E-3D-NG is not compatible with SCB, you must use either SCBE-MX or SCBE2-MX for the switch fabric interface.</p> <p>NOTE: To power on an MPC on MX240, MX480, and MX960 routers, you must configure the network-services enhanced-ip or network-services enhanced-ethernet statement. With this configuration, the router functions in Enhanced-IP/Enhanced-Ethernet network services mode and powers on MPCs and MS-DPCs only. The MPC does not come online if this statement is not configured. On MX2010, and MX2020 routers, network-services enhanced-ip is configured by default.</p>
Hardware features	<ul style="list-style-type: none"> Line-rate throughput of up to 80 Gbps Supports WAN-PHY mode at 9.95 Gbps and LAN-PHY mode at 10.31 Gbps Two slots for MICs Junos Trio chipsets for increased scaling for bandwidth, subscribers, and services. <p>NOTE: MPC2E-3D-NG is not compatible with SCB, you must use either SCBE-MX or SCBE2-MX for the switch fabric interface.</p> <p>NOTE: MPC2E-3D-NG does not support MIC3-3D-10XGE-SFPP, MIC3-3D-1X100GE-CFP, MIC3-3D-1X100GE-CXP, and MIC3-3D-2X40GE-QSFPP.</p> <p>NOTE: The non-HQOS MPC3E NG and MPC2E NG MPCs support MIC-3D-8CHOC3-4CHOC12 and MIC-3D-4CHOC3-2CHOC12 only with a limited queuing license.</p>

Software features	<ul style="list-style-type: none">• Chained composite next hops• Layer 3 VPN localization• Detection of Layer 2 loops• Entropy label support in mixed mode• SNMP and CLI support for Routing Engine memory monitoring• Mixed-mode LAG support on core interfaces• Dynamic power management for MICs• Support for flexible-queuing• See "Protocols and Applications Supported by the MX240, MX480, MX960, MX2010, and MX2020 MPC2E" on page 334 for information about the protocols and applications that this MPC supports.
Power requirement	<p>Maximum with highest-power MICs at 55° C: 9.88 A @ 48 V (474 W)</p> <p>At different temperatures:</p> <ul style="list-style-type: none">• 55° C: 474 W• 40° C: 417 W• 25° C: 400 W
LEDs	<p>OK/FAIL LED, one bicolor:</p> <ul style="list-style-type: none">• Steady green—MPC is functioning normally.• Blinking green—MPC is transitioning online or offline.• Red—MPC has failed.