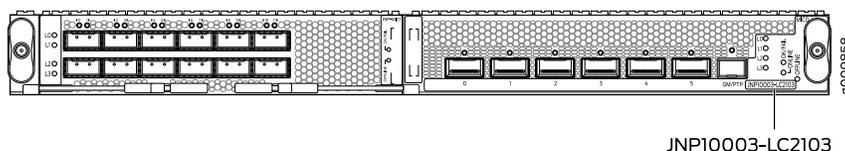


## MX10003 MPC (Multi-Rate)



|                                      |   |
|--------------------------------------|---|
| Software release                     | <ul style="list-style-type: none"> <li>Junos OS release 17.3R1 and later</li> </ul>   |
| Description                          | <ul style="list-style-type: none"> <li>Weight: 30 lb (13.61 kg) (net weight without blank panel and without any MIC in slot 1)</li> <li>Model number: MX10003-LC2103</li> <li>Power requirement: <ul style="list-style-type: none"> <li>715 W at 55° C</li> <li>660 W at 25° C</li> </ul> </li> <li>Name in the CLI: <b>LC2103</b></li> </ul>   |
| Hardware features                    | <ul style="list-style-type: none"> <li>The MX10003 MPC is a 1.2-Terabit capable MPC with three Packet Forwarding Engine complexes (that is, three EA ASICs). The EA ASIC operates in 400G mode.</li> <li>The Packet Forwarding Engine is based on the third generation of the Trio chipset architecture---namely, the EA (Eagle) ASIC. The Packet Forwarding Engine offers 400 Gbps of WAN and fabric bandwidth each.</li> <li>MX10003 MPC has six built-in QSFP+ optics ports, and one MIC slot.</li> <li>Supports Multi-Rate Ethernet Modular Interface Card (MIC) (model numbers: JNP-MIC1 and JNP-MIC1-MACSEC), and the fixed-port PIC (6xQSFP). For information about which MICs are supported on this MPC, see "<a href="#">MIC/MPC Compatibility</a>" on <a href="#">page 26</a>.</li> <li>Supports maximum transmission units (MTUs) from 256 bytes through 16,000 bytes for transit traffic, and from 256 bytes through 9,500 bytes for host bound packets.</li> </ul> |
| Software features                    | <ul style="list-style-type: none"> <li><i>Dynamic Power Management</i> for effective utilization of available power.</li> <li><i>Inline Active Flow Monitoring</i> for higher scalability and performance.</li> <li><i>Flexible Queuing Mode</i> to support 32,000 queues per line card, including queues on both ingress and egress interfaces. Supports up to 512,000 queues per slot or 768,000 queues per slot.</li> <li><i>Hyper Mode</i> to speed up packet processing.</li> <li>Optical diagnostics and related alarms.</li> </ul> <p>For more information about features supported on MPC9E, see "<a href="#">Protocols and Applications Supported by the MX10003 MPC (Multi-Rate) on the MX10003 Router</a>" on <a href="#">page 391</a>.</p>  |
| Cables and connectors                | <p><b>TIP:</b> You can use the <a href="#">Hardware Compatibility Tool</a> to find information about the pluggable transceivers supported on your Juniper Networks device.</p> <p>The list of supported transceivers for the MX Series is located at <a href="https://pathfinder.juniper.net/hct/category/#catKey=100001&amp;modelType;=All&amp;pf;=MX+Series">https://pathfinder.juniper.net/hct/category/#catKey=100001&amp;modelType;=All&amp;pf;=MX+Series</a>.</p>   |
| Power requirements<br>(without MICs) | <ul style="list-style-type: none"> <li>At different temperatures: <ul style="list-style-type: none"> <li>55° C: 715 W</li> <li>25° C: 660 W</li> </ul> </li> </ul>  |
| LEDs                                 | <p><b>OK/FAIL LED</b>, one bicolor:</p> <ul style="list-style-type: none"> <li>Steady green—MPC is functioning normally and the link is up.</li> <li>Off—MPC is plugged-in but not powered on.</li> <li>Red—MPC has failed.</li> </ul> <p>For information on the lane LEDs (<b>Lo</b>, <b>L1</b>, <b>L2</b>, and <b>L3</b>), see <a href="#">MPC and MIC Lane LED Scheme Overview</a>.</p>  |