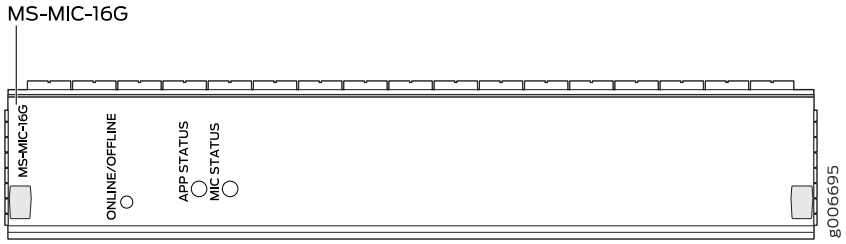
Multiservices MIC

Figure 36: MS-MIC-16G



Supported Junos OS Release	• Junos OS Release 13.2 and later • Model number: MS-MIC-16G • Name in the CLI: **MS-MIC-16G**
Description	The Multiservices Modular Interfaces Card (MS-MIC) provides improved scaling and high performance for MX series routers. The MS-MIC has enhanced memory (16 GB) and enhanced processing capabilities.
Software Features	• Active flow monitoring and export of flow monitoring version 9 records based on RFC 3954 • IP Security (IPsec) encryption • Network Address Translation (NAT) for IP addresses NOTE: The Multiservices MIC does not support Network Address Translation-Traversal (NAT-T). • Port Address Translation (PAT) for port numbers • Traffic sampling • Stateful firewall with packet inspection—detects SYN attacks, ICMP and UDP floods, and ping-of-death attacks • Network Attack Protection (NAP) • Support for up to 6000 service sets • Support for MTUs up to 9192 bytes. • Multiple services can be supported. See *Junos OS Services Interfaces Library for Routing Devices* for more information. • See "Protocols and Applications Supported by the MS-MIC and MS-MPC" on page 389 for information about the protocols and applications that this MIC supports.
Hardware Features and Requirements	• MICs are hot-removable and hot-insertable • MS-MIC CPU Clock Cycle – 800MHz • Works with SBCs and SBCEs • Interoperable with MS-DPCs. Both MS-MPCs and MS-DPCs can co-exist in the same chassis • Chassis requires enhanced fan trays and high-capacity DC or AC power supplies NOTE: Only one Multiservices MIC is supported in each MPC. NOTE: Starting in Junos OS Release 13.3R3, 14.1R2, 14.2R1, MX104 routers support only two Multiservices MICs.

Input/Output Power Requirements	MS-MIC—6.67 amps @ 9V (60W)
Weight and Dimensions	Weight: 2 lbs (.91 kg); Height: 0.9 in. (2.26 cm); Width: 6 in. (15.24 cm); Depth: 7 in. (17.78 cm)
MPC Support	• Multiservices MPC on page 86 • See "MIC/MPC Compatibility" on page 26 for a list of the MPCs that support the MS-MIC.
LEDs	Application activity tricolor LED, labeled **APP STATUS**: • Off—Application is not running. • Red—Application has failed. • Yellow—Application is reconfiguring. • Green—Application is running. MIC activity tricolor LED, labeled **MIC STATUS**: • Off—MIC has failed. • Red—MIC has an error or failure. • Yellow—MIC is transitioning online or offline. • Green—MIC is functioning normally.

Related Documentation

- Multiservices MPC on page 86
- MX Series MIC Overview on page 17
- *Junos OS Services Interfaces Library for Routing Devices*
- Protocols and Applications Supported by the MS-MIC and MS-MPC on page 389
- MIC/MPC Compatibility on page 26
- *Example: Inter-Chassis Stateful High Availability for NAT and Stateful Firewall (MS-MIC, MS-MPC)*
- *Example: Configuring Flow Monitoring on MS-MIC and MS-MPC*
- *Inter-Chassis High Availability for MS-MIC and MS-MPC*
- *Example: Configuring Junos VPN Site Secure on MS-MIC and MS-MPC*
- *ICMP, Ping, and Traceroute ALGs for MS-MICs and MS-MPCs*
- MICs Supported by MX Series Routers on page 18