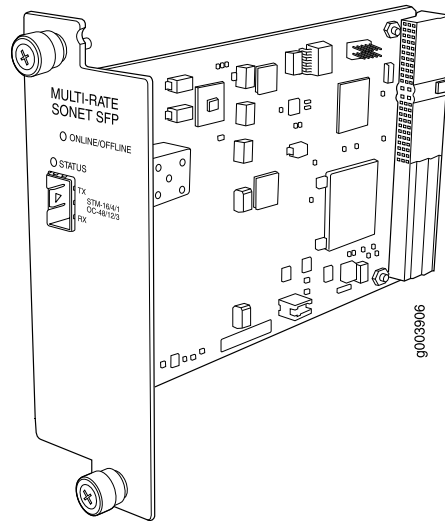


SONET/SDH OC48/STM16 (Multi-Rate) PIC with SFP



Software release	<ul style="list-style-type: none"> Junos 9.5 and later
Description	<ul style="list-style-type: none"> Rate-selectable using one of the following rates: <ul style="list-style-type: none"> 1-port OC3c/STM1c 1-port OC12/STM4 1-port OC12c/STM4c 1-port OC48/STM16 1-port OC48c/STM16c Power requirement: 0.20 A @ 48 V (9.5 W) Model Number: PB-1OC48-SON-B-SFP
Hardware features	<ul style="list-style-type: none"> Multiplexing and demultiplexing Rate policing on input Rate shaping on output Packet buffering, Layer 2 parsing

Software features

- Optical diagnostics and related alarms
- Per-port SONET/SDH framing
- Link aggregation
- Alarm and event counting and detection
- Dual-router automatic protection switching (APS)
- Multiprotocol Label Switching (MPLS) fast reroute
- Encapsulations:
 - Circuit cross-connect (CCC)
 - Translational cross-connect (TCC)
 - Frame Relay
 - High-Level Data Link Control (HDLC)
 - Point-to-Point Protocol (PPP)

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: To extend the life of the laser, when a PIC is not being actively used with any valid links, take the PIC offline until you are ready to establish a link to another device. For information about taking a PIC offline, see the **request chassis pic offline** command in the [CLI Explorer](#).

LEDs

One tricolor per port:

- Off—Not enabled
- Green—Online with no alarms or failures
- Yellow—Online with alarms for remote failures
- Red—Active with a local alarm; router has detected a failure