



SINGLE-PORT SFP (GE) MINI- PHYSICAL INTERFACE MODULE (MINI-PIM)

Product Overview

The Juniper Networks optional, single-port, small form-factor pluggable transceiver (SFP) Mini-PIM provides Gigabit Ethernet connectivity for the Juniper Networks SRX200 line consisting of the SRX210 Services Gateway, SRX220 Services Gateway, and SRX240 Services Gateway products, increasing flexibility and operational ease.

Product Description

The Juniper Networks® single-port SFP Mini-PIM for the SRX200 line complements the on-board 10/100 and 10/100/1000 Ethernet interfaces with expanded LAN or WAN connectivity. It offers support for a variety of transceiver types, including short wavelength for Gigabit Ethernet (GbE) connectivity over multimode fiber, long wavelength for GbE connectivity over multimode and single mode fiber, 100BASE-FX for Fast Ethernet connectivity over multimode and single mode fiber, and 1000BASE-T for GbE connectivity over twisted pair.

Features and Benefits

The Juniper Networks single-port SFP Mini-PIM provides the following features and benefits on the SRX200 line.

Single-Port SFP Mini-PIM Features and Benefits

Feature	Feature Description	Benefit
GbE or fast Ethernet connectivity	Single-port SFP Mini-PIM provides support for a variety of transceiver types including: <ul style="list-style-type: none"> • 1000BASE-SX • 1000BASE-LX • 1000BASE-LH • 100BASE-FX • 1000BASE-T 	Module can be used in copper or optical environments, providing maximum flexibility when upgrading from an existing infrastructure to metro Ethernet.
Hot insertion and removal of transceivers	Transceivers can be installed and removed without powering down the SRX200 line.	Reduces downtime associated with moves, changes, and network upgrades.

Specifications

Supported Platforms

The single-port SFP Mini-PIM is supported only on Juniper Networks SRX200 line of services gateways.

Connector

- One SFP cage, with SFP transceivers sold separately

Ethernet Speeds

- 100/1000 Mbps link speed supported; actual bandwidth limited to 1 Gbps

Specifications (continued)

Module Slots

- Module slots required

LEDs

Mini-PIM LEDs indicate port status with the following LED states:

- LINK—Green on means the port is online; light off means the port is not offline
- ACT—Green blinking means the port is receiving or sending data; light off means the port might be on but is not receiving or sending data

Management

- Telnet/console/Web
- Remote and local configuration, monitoring, and troubleshooting

Dimensions (W x H x D) and Weight

- 3.75 x 0.8 x 5.9 in (9.5 x 2.0 x 14.5 cm)
- 0.21 lb

Environmental

- Operating temperature: 32° to 104° F (0° to 40° C)
- Storage temperature: -40° to 158° F (-40° to 70° C)
- Relative humidity: 5% to 90% noncondensing

Standards and Compliance

Safety

- CAN/CSA-C22.2 No. 60950-1-03
- EN 60950-1
- UL 60950-1
- IEC 60950-1
- EN 60825-1

EMC (Emissions)

- FCC Part 15 Class B
- EN 55022 Class B

Immunity

- AS/NZS CISPR 22 Class B
- VCCI Class B
- EN-61000-4-2 ESD
- EN-61000-4-3 Radiated Immunity
- EN-61000-4-4 EFT
- EN-61000-4-5 Surge
- EN-61000-4-6 Low Frequency Common Immunity

European Telecommunications Standardization Institute (ETSI)

- ETSI EN-300386-2: Telecommunication Network Equipment Electromagnetic Compatibility Requirements
- IEEE 802.3

Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services that are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to maximize operational efficiency while reducing costs and minimizing risk, achieving a faster time to value for your network. Juniper Networks ensures operational excellence by optimizing the network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services/.

Ordering Information

SFP Mini-PIM and Related Part Numbers

Model Number	Description
SRX-MP-1SFP-GE*	Single-port SFP Mini-PIM
SRX-SFP-1GE-LH	SFP 1000Base-LH Gigabit Ethernet Optic Module
SRX-SFP-1GE-LX	SFP 1000Base-LX Gigabit Ethernet Optic Module
SRX-SFP-1GE-SX	SFP 1000Base-SX Gigabit Ethernet Optic Module
SRX-SFP-1GE-T	SFP 1000Base-T Gigabit Ethernet Module (uses Cat 5 cable)
SRX-SFP-FE-FX	SFP 100BASE-FX Optical Transceiver, LC connector

*Replaces SRX-MP-1SFP.

Juniper Networks Junos® Operating System Release

The single-port SFP Mini-PIM is supported on Juniper Networks SRX200 line of services gateways in Junos OS 9.5 and higher releases.

About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at www.juniper.net.

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