



# V.92 MINI-PIM

## Product Overview

The Juniper Networks single-port V.92 Mini-Physical Interface Module (Mini-PIM) for the Juniper Networks SSG20 Secure Services Gateway complements the five on-board 10/100 Ethernet interfaces with expanded WAN connectivity.

## Product Description

The V.92 modem eliminates the need to deploy several separate external devices, and provides an integrated dial-backup solution that consolidates devices to reduce capital expenditures, save valuable space, and simplify management.

## Features and Benefits

- Cost effective V.92 dial-backup alternative
- On demand dial-backup
- Complete configuration and management by command-line interface (CLI), Web user interface, or Juniper Networks<sup>®</sup> Network and Security Manager (NSM)

## Specifications

### Dimensions (W x H x D) and Weight

- 5.9 x 3.75 x 0.8 in (14.5 x 9.5 x 2 cm)
- 0.17 lb (77.1 g)

### Environmental

- Operating temperature: 0–40° C
- Storage temperature: -40 to 70° C
- Relative humidity: 5 to 90% noncondensing

### LEDs

PIM LEDs indicate port status with the following LED states:

- CD (carrier detect) - Green
- TX/RX - Green

### Network Interface Specifications

- Up to 56 Kbps (V.92)

## Carrier Protocols Supported

- ITU v.92
- K56Flex
- ITUv.23
- Bell 103
- ITU v.21
- ITU v.22
- Bell 212A

## Compression:

- v.42 bis, v.44

## Standards and Compliance

### Safety

- CAN/CSA-C22.2 No. 60950-1-03/UL 60950-1 Third Edition, Safety of Information Technology Equipment
- EN 60950-1:2001+A11, Safety of Information Technology Equipment
- IEC 60950-1:2001 First Edition, Safety of Information Technology Equipment

### EMC (Emissions)

- FCC Part 15 Class B
- EN 55022 Class B
- AS/NZS 3548 Class B
- VCCI Class B

### Immunity

- 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

## Telecom

- FCC Part 68/TIA-968
- IC CS-03
- TBR21

## Performance-Enabling Services and Support

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## Ordering Information

PRODUCT NUMBER	DESCRIPTION
JXM-1V92-S	1-port v.92 Mini-Physical Interface Module

The V.92 Mini-PIM is supported in ScreenOS 5.4 or later releases on the SSG20.

## About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at [www.juniper.net](http://www.juniper.net).

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