



# ISDN BRI MINI-PIM

## Product Overview

The Juniper Networks single port ISDN Basic Rate Interface (BRI) 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 by providing optional ISDN connectivity. The ISDN BRI Mini-PIM includes a single physical port supporting ISDN BRI S/T interface types. For ISDN U interface support, an external NT-1 is required.

## Product Description

The Juniper Networks® ISDN BRI Mini-PIM provides the physical connection to ISDN network media types receiving incoming packets from the network and transmitting outgoing packets to the network. The ISDN BRI Mini-PIM forwards packets for processing while performing framing and line-speed signaling.

## Features and Benefits

Juniper Networks ISDN BRI Mini-PIM provides the following benefits:

- Highly integrated backup features required to seamlessly re-establish network access in the event of a connectivity failure
- The bandwidth on demand feature provides the ability to define bandwidth thresholds that need to be met before the initiation of additional ISDN data connections to control associated connectivity costs
- Supports Multilink Point-to-Point Protocol (MLPPP) over two ISDN B-channels
- Dial-on-demand routing (DDR) floating static and dialer watch
- Complete configuration and management by command-line interface (CLI), Web user interface, or Juniper Networks 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)

### Interface Connector

- 1x RJ45

### 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

### LEDs

PIM LEDs indicate port status with the following LED states:

- CH1 - Channel 1 – Green
- CH2 - Channel 2 – Green

## Standards and Compliance

### Safety

- CAN/CSA-C22.2 No.60950/UL 60950 Third Edition, Safety of Information Technology Equipment
- EN 60950 (2000) Third edition – Safety of Information Technology Equipment
- IEC 60950 (1999) Third edition – Safety of Information Technology Equipment

### EMC (Emissions)

- FCC Part 15 Class B (USA)
- EN 55022 Class B (Europe)
- AS 3548 Class B (Australia)
- VCCI Class B (Japan)
- BSMI Class B (Taiwan)

### Immunity

- EN 55024
- 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
- EN-61000-4-11 Voltage Dips and Sags

### European Telecommunications Standardization Institute (ETSI)

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

### Telecom

- TBR3

## Standards

### ITU Standards: Compliance with ITU standards

- Layer 1: ITU-T I.430
- Layer 2: ITU-T Q.920, ITU-T Q.921: LAPD
- Layer 3: ITU-T I.450, ITU-T I.451

### ISDN Protocols: Support for the Following ISDN Protocols

- att5e – AT&T switch variant
- etsi – European Telecommunications Standards Institute switch variant
- nil – National ISDN 1 switch variant
- ntdms-100 – Northern Telecom DMS-100
- ntt – NTT Group switch for Japan

## 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](http://www.juniper.net/us/en/products-services).

## Ordering Information

Model Number	Description
JXM-1BRI-ST-S	1-port ISDN S/T BRI Mini-Physical Interface Module

The ISDN BRI Mini-PIMs are supported in Juniper Networks ScreenOS® Software 5.4 or higherr on the SSG20 platforms.

## 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](http://www.juniper.net).

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