



ISDN BRI S/T PIM

Product Overview

The Juniper Networks single-port ISDN Basic Rate Interface (BRI) S/T Physical Interface Module (PIM) for the Juniper Networks SSG140, SSG320M, SSG350M, SSG520M, and SSG550M Secure Services Gateways, and Juniper Networks J2320, J2350, J4350, J6350 Services Routers, complements the 10 onboard Ethernet interfaces with expanded WAN connectivity.

Product Description

The Juniper Networks® single-port ISDN BRI S/T PIM provides the physical connection to ISDN network media types receiving incoming packets from the network and transmitting outgoing packets to the network. The single-port ISDN BRI S/T PIM forwards packets for processing while performing framing and line-speed signaling. The ISDN BRI PIM includes a single physical port supporting ISDN BRI S/T interface types. For ISDN U interface support, an external NT-1 is required.

Features and Benefits

- Dial-backup on demand
- Multilink Point-to-Point Protocol (MLPPP) over two ISDN B-channels
- Bandwidth on demand
- Complete configuration and management by command-line interface (CLI), Web user interface, or Juniper Networks Network and Security Manager (NSM)

Specifications

Interface Connector

- 1 x RJ-45

Dimensions (W x H x D) and Weight

- 5.45 x 0.63 x 6.5 in (13.8 x 1.6 x 16.5 cm)

Environmental

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

Specifications (continued)

LEDs

PIM LEDs indicate port status with the following LED states:

- Status
 - Green: Online with no alarms or failures.
 - Red: Active with a local alarm, router has detected a failure
- CH1 - Channel 1: Green - Channel B1 is active
- CH2 - Channel 2: Green - Channel B2 is active

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 (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

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

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
- ni1 – National ISDN 1 switch variant
- ntdms-100 – Northern Telecom DMS-100
- ntt – NTT Group switch for Japan

Performance-Enabling Services and Support

Juniper Networks is the leader in performance-enabling services and support, which are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to bring revenue-generating capabilities online faster so you can realize bigger productivity gains, faster rollouts of new business models and ventures, and greater market reach, while generating higher levels of customer satisfaction. At the same time, Juniper Networks ensures operational excellence by optimizing your network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/products-services.

Ordering Information

PRODUCT NUMBER	DESCRIPTION
JX-1BRI-ST-S	1-port ISDN S/T BRI Physical Interface Module

The ISDN Mini-PIMs are supported in ScreenOS 5.4 or greater on the SSG140.

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.




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