

# Juniper Networks ISDN BRI S/T PIM



The Juniper Networks single-port ISDN BRI Physical Interface Modules (PIM) for the SSG 140 platform complements the 10 onboard Ethernet interfaces with expanded WAN connectivity. 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

- On-demand dial-backup
- MLPPP over two ISDN B-channels
- Bandwidth on demand
- Complete configuration and management by CLI, WebUI, or NetScreen Security-Manager

## Specifications

Product Number	Description
JX-1BRI-ST-S	1 port ISDN S/T BRI Physical Interface Module

### ScreenOS Software Release

The ISDN PIMs are supported in ScreenOS 5.4 or greater on the SSG 140

### Interface connector

- 1 x RJ-45

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

- 0.63 in. x 5.45 in. x 6.5 in.  
 - 1.6 cm. x 13.8 cm. x 16.5 cm

### Environmental

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

### LEDs

PIM LED's 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

### Agency/Regulatory 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

### 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