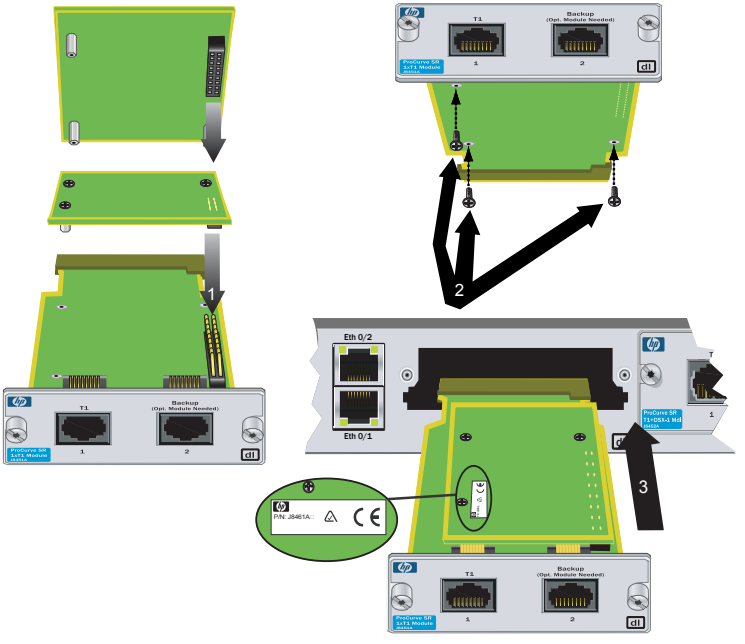
Quick Start Guide 5991-2107

ProCurve Secure Router dl ISDN BRI S/T Backup Module J8461A

ProCurve Networking
HP Innovation



Specifications

Features	Clear channel and bonding mode 1 call protocols Network support for 64 kbps (1 B-channel) D-channel switch compatibility with AT&T 5ESS, Northern Telecom DMS-100, National ISDN-1, and Euro-ISDN V.54 network loopback support
Compliance	FCC Part 15 Class A, EN 55022 Class A, EN 61000-3-2, EN 61000-3-3 ACIF S031, ETSI TBR 3 AS/NZS 60950, EN 60950
Physical	Dimensions: 6.35 cm (2.5 in) W x 9.53 cm (3.75 in) D Operating Temperature: 0°C to 50°C (32°F to 122°F) Relative Humidity: Up to 95 percent, noncondensing at 30°C (86°F) Non-Operating Temperature: -20°C to 70°C (-4°F to 158°F) Non-Operating Relative Humidity: Up to 95 percent, noncondensing at 30°C (86°F) Altitude: Up to 3.05 km (10,000 ft)

Installation Instructions

1. Remove power from the base unit.
2. If the ProCurve Secure Router interface module is already installed in the ProCurve Secure Router chassis, release the screws at both edges of the module front panel and slide the module out of the chassis.
3. Carefully align the P1 connector on the interface module with the J1 connector on the backup module. *Using only fingertip pressure* so that neither circuit board bends or flexes, ensure that the connectors are firmly seated. Secure the backup module to the interface module using the screws and standoff posts supplied.
4. Slide the interface module with the backup module attached into the ProCurve Secure Router option slot until the module is firmly seated against the chassis.
5. Secure the screws at both edges of the module.
6. Connect the cables to the associated device(s).
7. Complete installation of the base unit.
8. Restore power to the base unit.

ISDN Backup Connection Pinout

Pin	Name	Description
1-2	—	Unused
3	R1	Network-Receive (Ring 1)
4	R	Network-Transmit (Ring)
5	T	Network-Transmit (Tip)
6	T1	Network-Receive (Tip 1)
7-8	—	Unused

Note *For safety information for the routers and all modules, please refer to the safety and ESD precautions in the* ***ProCurve Secure Router Installation Guide*** *included in your router shipment.*

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ISDN BRI S/T Backup Module Commands

alias *<text>*

Populates the *ifAlias* OID (Interface Table MIB of RFC2863) for this interface for use by the SNMP management station.

bonding txadd-timer *<seconds>*

Specifies the value (in seconds) for the aggregate call connect timeout. Use the **no** form of this command to return to the default value (50 seconds).

<seconds> Specifies the number of seconds the endpoint will wait for additional channels (to add to the bonded aggregate) before considering the bonding negotiation a failure.

bonding txcid-timer *<seconds>*

Specifies the value (in seconds) for the bearer channel (B-channel) negotiation timeout. Use the **no** form of this command to return to the default value (5 seconds).

<seconds> Specifies the number of seconds the endpoint allots for negotiating data rates and channel capacities before considering the bonding negotiation a failure.

bonding txdeq-timer *<seconds>*

Specifies the value (in seconds) for the network delay equalization timeout. Use the **no** form of this command to return to the default value (50 seconds).

<seconds> Specifies the number of seconds the endpoint will wait for additional channels (to add to the bonded aggregate) before considering the bonding negotiation a failure.

bonding txfa-timer *<seconds>*

Specifies the value (in seconds) for the frame pattern detection timeout. Use the **no** form of this command to return to the default value (10 seconds).

<seconds> Specifies the number of seconds the endpoint waits to detect the bonding negotiation frame pattern from the remote endpoint (when a call is connected) before considering the bonding negotiation a failure.

bonding txinit-timer *<seconds>*

Specifies the value (in seconds) for the originating endpoint negotiation timeout. Use the **no** form of this command to return to the default value (10 seconds).

<seconds> Specifies the number of seconds the endpoint will wait for additional channels (to add to the bonded aggregate) before considering the bonding negotiation a failure.

bonding txnull-timer *<seconds>*

Specifies the value (in seconds) for the answering endpoint negotiation timeout. Use the **no** form of this command to return to the default value (10 seconds).

<seconds> Specifies the number of seconds the endpoint waits to detect the bonding negotiation frame pattern from the originating endpoint (after answering a call) before considering the bonding negotiation a failure.

Note *This command list is an illustration of available commands. For complete command descriptions and default values, refer to the* ***SROS Command Line Interface Reference Guide*** *provided on your ProCurve SROS Documentation CD.*

caller-id override [always *<number>* **| if-no-CID** *<number>***]**

Configures the unit to replace caller ID information with a user-specified number. Use the **no** form of this command to disable any caller ID overrides.

always *<number>* Always forces replacement of the incoming caller ID number with the number given.

if-no-CID *<number>* Always forces replacement of the incoming caller ID number with the number given.

description *<text>*

Comment line to provide an identifier for this interface (for example, circuit ID, contact information, etc.).

<text> Shows up to 80 alphanumeric characters.

isdn [spid1 | spid2] *<spid string> <LDN>*

Programs the Service Profile Identifiers (SPIDs) and Local Directory Numbers (LDNs) for the Basic Rate ISDN (BRI) interface. This information should be supplied by your service provider. Use the **no** form of this command to remove a configured SPID

<spid string> Specifies the 8 to 14 digit number identifying your BRI line in the Central Office switch. A SPID is generally created using the area code and phone number associated with the line and a four-digit suffix.

<LDN> *(Optional.)* Specifies the LDN assigned to the circuit by the service provider. The LDN is the number used by remote callers to dial into the ISDN circuit. If the *<ldn>* field is left blank, inbound calls are not accepted on the module.

Note *For Euro applications, a SPID is not necessary. In order to configure the LDN, however, the SPID field must be completed. Enter zeros in the SPID field, followed by the LDN (separated by a space). For example:* ***isdn spid1 0000 2565558898***

isdn switch-type [basic-5ess | basic-dms | basic-net3 | basic-ni]

Specifies the ISDN signaling type configured on the BRI interface. The type of ISDN signaling implemented on the BRI interface does not always match the manufacturer of the CO switch. Use the **no** form of this command to return to the default value. This setting is determined by your service provider.

basic-5ess Specifies Lucent/AT&T 5ESS signaling.

basic-dms Specifies Nortel DMS-100 custom signaling (non SL-1 version). The **basic-dms** signaling type is not compatible with proprietary SL-1 DMS signaling.

basic-net3 Specifies Net3 Euro-ISDN signaling.

basic-ni Specifies National-ISDN 1 signaling.

shutdown

Disables the interface (both physical and virtual) so that no data will be passed through. Use the **no** form of this command to turn on the interface and allow it to pass data. By default, all interfaces are disabled.

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