

A signaling adapter that is universally compatible with a comprehensive set of enterprise and CPE PBXs, IP-PBXs, video conferencing, media gateways, and multi-service access devices.

SP201-SA™ Signaling Gateway

The SignalPath 201-SA™ is a signaling adapter that is universally compatible with a comprehensive set of enterprise and CPE (customer premises equipment) PBXs, IP-PBXs, video conferencing, media gateways, and multi-service access devices. Enterprise vendors with customers that require connectivity between their PBX applications and networks in countries using legacy signaling protocols are rewarded with immediate business opportunities that were previously inaccessible due to signaling incompatibilities in the networks.



KEY BENEFITS

- Economical solution for bridging CAS and ISDN networks
- Compact design for easy colocation with PBX equipment
- Up to 2 T1/E1 trunks (4 ports)
- Standard BNC and RJ48 interfaces
- Flexible port connections

FLEXIBLE PORT CONNECTIONS

- T1 to T1
- T1 to E1
- 2 T1s to 2 T1s
- E1 to E1
- 2 T1s to E1
- 2 E1s to 2 E1s

INTERNATIONAL PROTOCOL SUPPORT

- R2 to ETSI ISDN
- DTMF to ETSI ISDN
- ANSI N12 ISDN to R2
- ANSI N12 ISDN to DTMF
- ANSI N12 to R1
- CAS to CAS
- Rate Conversion

STANDARD INTERFACES

- RJ48 connectors for T1
- RJ48 connectors for E1-120 ohm
- BNC connectors for E1-75 ohm

LOW-COST PBX-TO-CAS SOLUTION

The SP201-SA, designed for fast, easy, economical integration of CAS and ISDN networks, quite simply connects PBX type equipment with a digital T1 or E1 interface to legacy signaling equipment with a digital T1 or E1 interface over the PSTN.

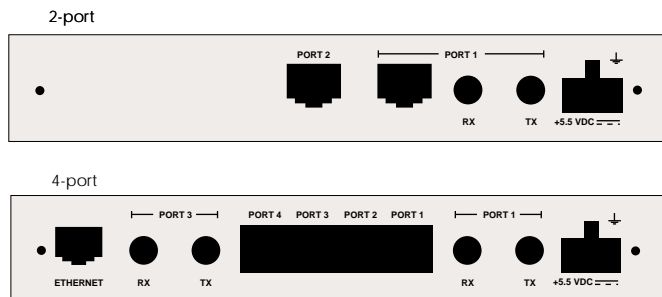
COMPACT DESIGN

The SP201-SA is an extremely compact unit (1.7 x 9 inches and weighing only 1.5 lbs.). Designed for limited space, it is easy to co-locate with existing PBX equipment. Available in both 2-port and 4-port models, it provides the ability to connect T1 or E1 trunks through either two or four physical interfaces.

EASY INSTALLATION AND MANAGEMENT

Software-selectable menu options for connections simplify installation and reduce operating costs. Standard RJ48 and BNC interfaces provide T1 and E1 connectivity to equipment at the customer premises.

SP201-SA Back Panel



TECHNICAL SPECIFICATIONS

ARCHITECTURE

High performance RISC-based

STANDARDS CONFORMANCE

R2: Q.400–Q.490
DTMF: BellCore TR-TSV-002275, Subsection 6.13
ETSI ISDN: ETSI 300-102, Q.931, Q.921
NI2 ISDN: BellCore TR-NWT-001268, TR-NWT-002343; Q.931, Q.921

AGENCY COMPLIANCE

Safety: ANSI/UL Std. No. 60950, 3rd Edition (U.S. Safety)
 CAN/CSA-C22.2 No. 60950 (Canadian Safety)
 EN 60950, European Safety (CE Mark)
Emissions: FCC Part 15, Sub-Part B, Class A (U.S.)
 EN 55022: 1998 (Europe)
Immunity: EN55024: 1998 (Europe)

PHYSICAL SPECIFICATIONS

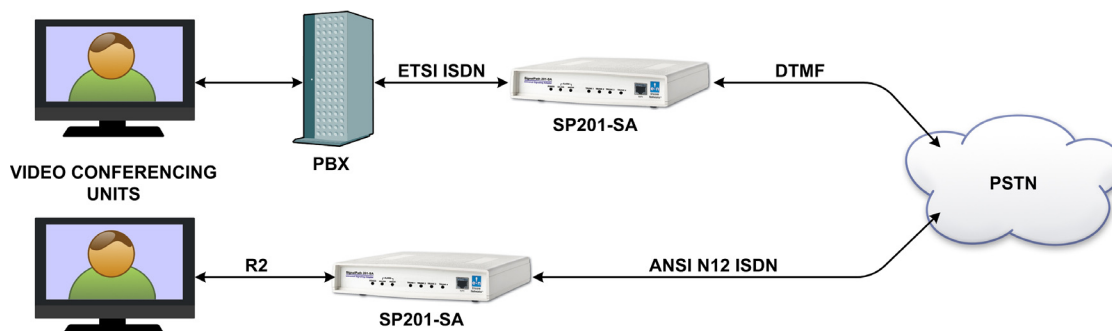
Height: 1.7 in. (4.32 cm)
Width: 8.36 in. (21.34 cm)
Depth: 9.0 in. (22.86 cm)
Weight: 1.5 lb. (.68 kg)
Power: 100 to 240 VAC, 50 to 60 Hz
Temperature: 32° to 122° F (0° to 50° C)
Humidity: 10% to 85% non-condensing
Altitude: Up to 10,000 ft. (3,048 m)

PORT INTERFACES

2-port model: 1 T1 to 1 E1; 1 T1 to 1 T1; 1 E1 to 1 E1
4-port model: 2 T1 to 1 E1; 2 T1 to 2 T1; 2 E1 to 2 E1

INTERFACE SPECIFICATIONS

Framing: E1: G.732 or G.706; T1: D4SF or D4ESF
Bit Rate: E1: 2,048 Mbps; T1: 1.544 Mbps
Clocking: E1: ± 30 ppm internal; E1: ± 100 ppm external; T1: ± 30 ppm internal T1: ± 150 ppm external
Impedance: E1: 120 ohm balanced; E1: 75 ohm unbalanced; T1: 100 ohm balanced
Coding: E1: AMI or HDB3 T1: AMI or B8ZS
Alarms: E1 loss of carrier signal, multi-frame carrier signal, sync; alarm indication signal (AIS); receipt of remote alarm; receipt of multi-frame remote alarm
 T1 loss of carrier signal; loss of frame; receipt of alarm indication signal (AIS); receipt of remote alarm
Diagnostics: E1/T1: signaling state report, digit report
Performance: E1: G.703, G.706, G.732, G.823 T1: ATT Pub. 62411



Specifications subject to change

