E1/T1 PRI Gateway (Enterprise*)

Overview

This enterprise level gateway supports up to 60 simultaneous calls, has onboard DSP for Line Echo Cancellation and all codec transcoding licenses are included. Includes on board clock for synchronization. This unit will convert PRI lines to IP and vice versa. Can also handle fax through the optional FXS ports. A new PHP based user interface will allow easy configuration and display status of spans and channels.

Features

- E1/T1 PRI gateway; up to 2 SPAN interface
- Flexible call routing
- Transcoding (Voice coding G.711 A-law/u-law, G.722 G.729AB) licenses included
- Fax pass-through
- PHP based web interface
- 128 ms DSP based echo cancellation
- Up to 60 simultaneous VoIP to ISDN PRI calls
- 2 T1/E1/J1 PRI ports with programmable NET/CPE modes
- Support SIP v2 (RFC 3261 complaint)
- Register with up to 5 SIP service providers
- ISDN network clock synchronization for error-free communication
- Interoperable with all the major-brand soft switches and IP-PBXs
- PIN authentication for accessing trunks to prevent unauthorized usage
- Call detail records
- Web-based configuration and management

Product Models

aGP1 - 1 Port PRI Gateway
aGP2 - 2 Prots PRI Gateway
aGP1-FXS - 1 Port PRI + 2 FXS (Fax only)
aGP4 - 4 Port PRI Gateway
aGP8 - 8 Port PRI Gateway

Operation temperature: 10°C to 40°C (50 F to 104 F)
Storage Temperature: 0°C to 50°C (32°F to 122°F)
Operational Humidity: 10% to 90%, Non-condensing
Storage Humidity: 5% to 95%, Non-condensing
Dimensions: 25cm x 22cm x 4.3cm
Weight: 1.5 kg
Power Input: 12V DC / 3.5 A

Warranty Info

1 Year Hardware warranty

* *Performance might vary in a call center environment.*

Technical Specifications

ISDN	- Capable of supporting 2 ports of E1/T1/J1 PRI interface - Signaling Support: - T1 - NI1, NI2, AT&T 4ESS, Lucent 5ESS , DMS100, ISO QSIG - E1 - ETSI/Euro–ISDN, ISO QSIG - Configurable as network side or terminal side.
VoIP	- Support SIP v2 (SIP Info, Update, PRACK, Refer) - B2BUA - SIP Registrar
Support following Voice Codecs	- G.711 PCM @ 64 kbps (A-law and μ-law) - G.729AB - G.722
DTMF Support	In-band, DTMF relay (RFC 2833) Out-of-band, INFO method
Echo Cancellation	Up to 128msec echo tail length
Fax	Fax pass-through
Management	- WEB based configuration utility - Remote firmware upgrade - Built-in diagnostic tools (trace, debug)
Connectivity	- DHCP client - DNS - SNMP client - HTTP web server - NAT traversal (both manually and STUN)