

ITG-6000 Series

Internet Telephone Gateway



Description

ITG-6000 Internet Telephony Gateway products Series is carrier-grade designed to transmit voice and fax data flows through IP-based network. Supports SIP control protocol and is compatible with most of Softswitch, SIP Proxy Servers devices. It is designed for mounting in standard 19" rack.

ITG-6000 Series products support 24/48/72 of analog FXS ports. The Gateway might not be noticeable to end users network. They may be intermediate between telephones, and office station PBX connecting telephone equipment, fax machines. Using a broadband connection using devices such as ADSL, Cable-modem or router or a dedicated line, you can arrange access to voice and fax services via the Internet in order to minimize the cost of international and long distance calls.

Functions such as QoS and ToS provide a higher priority and sequence generated by the gateway for voice traffic passing through the device routing.

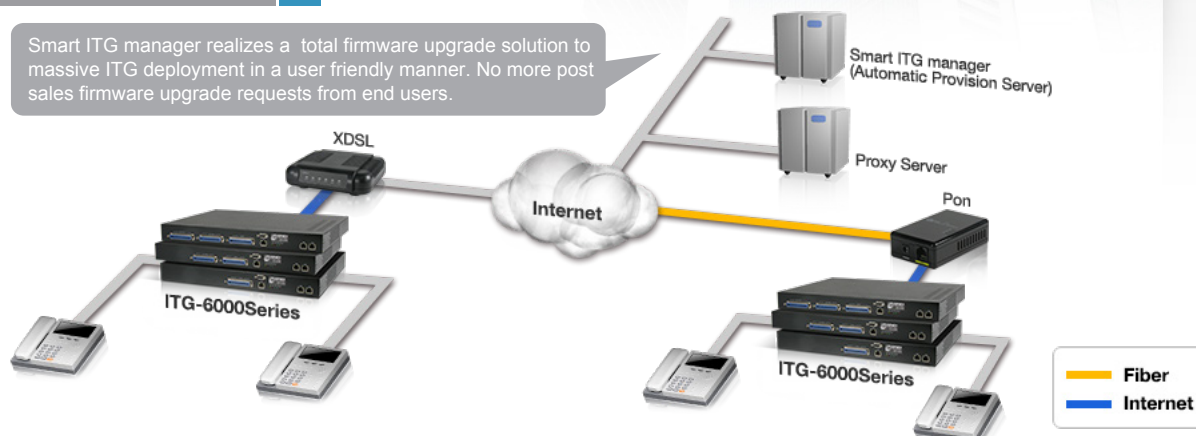
Built-in SNMP agent will control the device remotely using EMS systems or program managers on the basis of management protocol SNMP.

Key Features

- ◆ Supports SIP (RFC 3261) or H.248
- ◆ 50-pin Telco Connectors
- ◆ Comfortable and functional management
- ◆ SNMP - Agent
- ◆ Support for a wide range of functions

Application

Smart ITG manager realizes a total firmware upgrade solution to massive ITG deployment in a user friendly manner. No more post sales firmware upgrade requests from end users.



Specifications

Physical Interfaces

- ◆ FXS: 24/48/72-port, Telco-50
- ◆ WAN: 10/100Base-T, RJ-45
- ◆ LED Indicators
- ◆ AC Power Input, DC Power Input
- ◆ CID port, RJ-45

Voice Features

- ◆ G.711 A/μ-law, G.728, G.722 G.723.1, G.726, G.729A/BCodec
- ◆ Comfort Noise Generation (CNG)
- ◆ Voice Activity Detection (VAD)
- ◆ Echo Cancellation (G.168)
- ◆ Adaptive (Dynamic) Jitter Buffer
- ◆ Call Progress Tone Generation
- ◆ Programmable Gain Control

Call Features

- ◆ Call Waiting
- ◆ Call Forward
- ◆ Call Transfer
- ◆ Speed Dialing
- ◆ Three-way Calling

Telephony Specifications

- ◆ In-Band DTMF, Out-of-Band DTMF Relay (RFC2833) or SIP INFO DTMF / PULSE Dial Support
- ◆ Caller ID Generation: FSK-Bellcore Type 1 & 2, FSK-ETSI Type 1 & 2, Calling Name, Number, Date and Time (FSK)
- ◆ Polarity Reversal Generation
- ◆ T.30 FAX Bypass to G.711, T.38 Real Time FAX Relay
- ◆ Message Waiting Indication (SIP Notice)
- ◆ Receiver Off-Hook (ROH Tone Configurable)
- ◆ Visual Message Waiting Indication (VMWI)

H.248

- ◆ Support H.248 V1 and V2
- ◆ Transport by UDP
- ◆ Encoding text with "compact" or "normal"

SIP Management

- ◆ By port registration
- ◆ By device registration (share account)
- ◆ Mixed mode (Hunt number for inbound, by port number for outbound)
- ◆ Invite with Challenge (DIGEST Authentication)
- ◆ Register by SIP Server IP Address or Domain Name

SIP Call Management

- ◆ Outbound Proxy Support
- ◆ SIP Proxy Server Registration Failover
- ◆ Session Timers (Update / Re-invite)
- ◆ DNS SRV Support
- ◆ Call Types: Voice / FAX
- ◆ Call Routing by Prefix Number
- ◆ User Programmable Dial map Support
- ◆ E.164 Numbering
- ◆ ENUM support

SIP Method Support

BYE, CANCEL, INVITE, NOTIFY, OPTIONS, PRACK, REFER, UPDATE, INFO, SUBSCRIBE, MESSAGE, PING, PUBLISH

Power & Environmental

- ◆ Power Supply:
 - AC: 100~240V 50/60Hz
 - DC: -36V~ -72V
- ◆ Power Consumption: 40~120 Watts,
- ◆ Temperature (Operation): 0 ~ 60 °C (Storage): -25 ~ 75 °C
- ◆ Operation Humidity: Up to 90% RH, non-condensing

Subrack / Models

- ◆ Dimensions: 436mm x 320mm x 44.5mm (WxDxH)
- ◆ 19"rack mountable pizza box in nearly 1U height
- ◆ ITG-6000 Series consists of four models:
 - ITG-6200: 24-port FXS
 - ITG-6400: 48-port FXS
 - ITG-6700: 72-port FXS



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