



MTG1000B Trunk Gateway

MTG1000B series Trunk Gateway is a compact and cost-effective media gateway solution which has been designed to interworking between PSTN & IP networks in Service Provider Networks or large-scale enterprise locations. With powerful hardware design, MTG1000B has comprehensive PSTN access capabilities as well as SIP to SIP interworking features that enable the interconnection between all these elements.

MTG1000B trunk gateway has more advantages in terms of performance, system reliability and interoperability. Its high-efficient design and strong DSP processor ensure the interconversion of PCM voice signal and IP packets, although the gateway has been fully loaded. It can be connected with multiple devices such as softswitches, PBX and those servers equipped with digital trunk interfaces.

Product Picture



Key Features

Efficient concurrent processing, up to 60 channels

Support flexible dialing rules and operations, allowing users to customize dialing rules according to different working environments

Support T.38, Pass-through fax, as well as modem and POS machines

Support multiple coding standards: G.711A/U, G.723.1, G.729A/B and AMR

High compatibility, interoperable with PBX of Avaya, NEC and Alcatel, and also leading soft-switch of Huawei, Cisco and ZTE etc.

Honesty Concentration

Physical Interfaces

- **E1/T1 Ports**
1 or 2 E1/T1
- **Interface Type**
RJ48(Impedance 120Ω)
- **Ethernet Interface**
FE1: 10/100 Base-T Adaptive Ethernet
FE0: 10/100 Base-T Adaptive Ethernet
- **Serial Port**
1* RS232, 115200bps

Voice Capabilities

- Codecs:G.711a/μ law,G.723.1, G.729A/B, iLBC 13k/15k,AMR
- Silence Suppression
- Comfort Noise
- Voice Activity Detection
- Echo Cancellation (G.168),with up to 128ms
- Adaptive Dynamic Buffer
- Voice ,Fax Gain Control
- FAX:T.38 and Pass-through
- Support Modem/POS
- DTMF Mode: RFC2833/SIP Info/In-band
- Clear Channel/Clear Mode

PSTN

- ISDN PRI
23B+D(T1),30B+D(E1),NT or TE
ITU-T Q.921, ITU-T Q.931, Q.Sig
- Signal 7/SS7
ITU-T, ANSI, ITU-CHINA
MTP1/MTP2/MTP3, TUP/ISUP
- R2 MFC
China and other 22 variants standard
- E1 Frame Type : DF,CRC-4,CRC_ITU
- T1 Frame Type :
4-Frame Multi-frame (F4,FT),2-Frame Multi-frame (F12, D3/4),Extended Super-frame (F24, ESF) ,Remote Switch Mode (F72, SLC96)
- Line Codes:
E1:NRZ,CMI,AMI,HDB3
T1:NRZ,CMI,AMI,B8ZS

VoIP Protocol

- SIP v2.0 (UDP/TCP),RFC3261
SDP,RTP(RFC2833), RFC3262,
3263,3264,3265,3515,2976,3311
- RTP/RTCP, RFC2198, 1889
- SIP-T,RFC3372, RFC3204, RFC3398
- SIP Trunk Work Mode :Peer/Access
- SIP/IMS Registration :with up to 256 SIP Accounts
- NAT: Dynamic NAT, Rport

Innovation Open-mind

Software Features

- Local/Transparent Ring Back Tone
- Overlapping Dialing
- Dialing Rules, with up to 2000
- PSTN group by E1 port or E1 Timeslot
- IP Trunk Group Configuration
- Voice Codecs Group
- Caller and Called Number White Lists
- Caller and Called Number Black Lists
- Access Rule Lists
- IP Trunk Priority
- RTP and Signaling Encryption (VOS RC4)

Call Features

- Flexible Route Methods
PSTN-PSTN, PSTN-IP, IP-IP, IP-PSTN
- Intelligent Routing Rules
- Call Routing base on Time
- Call Routing base on Caller/Called Prefixes
- 256 Route Rules for each Direction
- Caller and Called Number Manipulation

Maintenance

- Web GUI Configuration
- Data Backup/Restore
- PSTN Call Statistics
- SIP Trunk Call Statistics
- Firmware Upgrade via TFTP/Web
- SNMP v1/v2/v3
- Network Capture
- Syslog: Debug, Info, Error, Warning, Notice
- Call History Records via Syslog
- NTP Synchronization
- Centralized Management System

Environmental

- Power Supply: 100-240VAC, 50-60 Hz
- Power Consumption: 15W
- Operating Temperature: 0 °C ~ 45 °C
Storage Temperature: -20 °C ~ 80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions(W/D/H): 436*300*44.5mm(1U)
- Unit Weight: 2.0kg
- Compliance: CE, FCC

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