



Datasheet

MTG1000

MTG Trunk Gateway

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MTG1000 Trunk Gateway

DINSTAR MTG1000 Trunk Gateway enables direct routing of calls between the fixed line ISDN and the cost-effective IP networks for capitalizing on low-cost VoIP telephony. By integrating MTG1000 Trunk Gateway with existing PBX / PABX telephone systems, businesses of all sizes can benefit from low-cost Voice over IP calls and achieve substantial cost savings without the high upfront costs associated with communications infrastructure changes related to the migration to VoIP.

MTG1000 offers PBX/IP-PBX users a powerful telephony cost-saving device and advanced flexible routing capabilities between ISDN PRI/SS7 to SIP and also situated between the PBX and the PSTN, saving the cost of an additional PBX E1/T1 port. It is ideal for telecom distributors, resellers, and service providers.

Pictures



Front View



Back View

Key Features

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

Physical Interfaces

- E1/T1 Ports:
1/2E1/T1 Ports
Interface Type:RJ48(Impedance 120Ω)
- Ethernet Interface
GE1: 10/100/1000 Base-T Adaptive Interface
GE0: 10/100/1000 Base-T Adaptive Interface
- Serial Port :1* RS232, 115200bps

PSTN

- ISDN PRI:
23B+D(T1),30B+D(E1),NT or TE
ITU-T Q.921, ITU-T Q.931, Q.Sig
- SS7:
ITU-T, ANSI, ITU-CHINA
MTP1/MTP2/MTP3, TUP/ISUP
- R2 MFC :
China and other 22 variants standard
- E1 Frame Type: DF, MF-CRC4, MF
- T1 Frame Type :
Super-frame (F12, SF)
Extended Super-frame (F24, ESF)
- Line Codes:E1: HDB3, T1: B8ZS

VoIP Protocol

- SIP v2.0 (UDP/TCP/TLS), RFC3261
- SDP, RTP(RFC2833), RFC3262, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311
- RTP/RTCP, RFC2198, RFC1889
- SIP-T,RFC3372, RFC3204, RFC3398
- SIP Trunk Work Mode: Peer/Access
- SIP/IMS Registration: with up to 2,000 SIP Accounts
- NAT: Dynamic NAT, Rport
- TACACS
- RADIUS

Call Features

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

Voice Capabilities

- codec:
G.711a/μ law, AMR, G.723.1, G.729AB, iLBC
- Silence Detection
- Comfort Noise
- Echo cancellation (G.168 up to 128ms tail)
- Adaptive Dynamic Buffer
- Voice , Fax Gain Control
- FAX:
T.38 and Pass-through
Support Modem/POS
- DTMF Mode: RFC2833/SIP Info/In-band

Maintenance

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

Software Feature

- Local/Transparent Ring Back Tone
- Overlapping Dialing
- Dialing Rules, with up to 8000
- PSTN group by E1 port or E1 Timeslot
- IP Trunk Group Configuration
- Voice Codecs Group
- Caller/Callee Black List
- Caller/Callee White List
- Access Rule Lists
- IP Trunk Priority

Physical Features

- Power Adapter:
100-240VAC, 50/60 Hz
1+1 Redundancy Power Supply
- Power Consumption: 10W
- 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: 2kg
- Compliance: CE, FCC

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