

## Dinstar MTG3000 16 E1/T1 Trunk Gateway (MTG3000-16E1)



Product Name: Dinstar MTG3000 16 E1/T1 Trunk Gateway (MTG3000-16E1)

Manufacturer: Dinstar

Model Number: MTG3000-16E1

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The Dinstar MTG3000 E1/T1 Trunk Gateway is a carrier grade VoIP gateway, which is designed for telecom operators, ITSPs with high reliability and performance. Focusing on a concept of maintainable, manageable and operable, MTG3000 adopts STM-1 interface which features high integration and large capacity. It provides carrier-grade VoIP and FoIP services, as well as value-added functions such as modem and voice recognition. Thus it constructs a flexible, high-efficient, future-oriented communication network for users.

MTG3000 supports a range of signaling protocols, realizing the interconnection between SIP and traditional signals like SS7 and PRI. It supports multiple codec methods, offers signal encryption technology and smart voice recognition technology, and improves the utilizing efficiency of trucking resources while ensuring voice quality. The trunk gateway is ideally fit for various networks of ITSPs, telecom operators and large-scale enterprises.

Dinstar MTG3000 Key Features

- 1/2 Carrier grade hardware design, 1+1 power supply and MCU, hot plug
- 1/2 High-integrated structure, STM-1 155M (16\*E1) in 2U size
- 1/2 Support flexible dialing rules and operations, allowing users to customize dialing rules according to different working environments
- 1/2 Support multiple coding standards: G.711A/U, G.723.1, G.729A/B and iLBC
- 1/2 High compatibility, interoperable with PBX of Avaya, NEC and Alcatel, and also leading softswitch of Huawei, Cisco and ZTE etc.

Dinstar MTG3000 - Technical Specifications

Physical Interfaces

- 1/2 SDH Interfaces2\* Standard LC SDH, 155M1+1 Redundancy Channels ProtectionMaster/Slave Clock Source
- 1/2 Main Control Unit(MCU)1+1 Redundancy, Hot Plug
- 1/2 Digital Processing Unit (DTU)4\* DTU MaximumSupport 512 Voice Channels Each Board
- 1/2 Ethernet InterfaceGE1: 10/100/1000 BaseT Adaptive EthernetGE0: 10/100/1000 BaseT Adaptive Ethernet
- 1/2 Serial Port1\* RS232, 115200bps

PSTN

- 1/2 ISDN PRI23B+D(T1),30B+D(E1),NT or TEITU-T Q.921, ITU-T Q.931, Q.Sig
- 1/2 Signal 7/SS7ITU-T, ANSI,ITU-CHINAMTP1/MTP2/MTP3, TUP/ISUP
- 1/2 E1 Frame TypeDF,MF\_CRC,MF
- 1/2 Line CodeHDB3
- 1/2 Clock SourceLocal/Remote Clock Source

Voice Capabilities

- 1/2 Codecs:G.711a/&micro; law,G.723.1,G.729A/B, iLBC, AMR
- 1/2 Silence Suppression
- 1/2 Comfort Noise
- 1/2 Voice Activity Detection
- 1/2 Echo Cancellation (G.168),with up to128ms
- 1/2 Adaptive Dynamic Buffer
- 1/2 Voice ,Fax Gain Control

## Dinstar MTG3000 16 E1/T1 Trunk Gateway (MTG3000-16E1)

- FAX:T.38 and Pass-through
- Support Modem/POS
- DTMF Mode: RFC2833/Signal/Inband
- Clear Channel/Clear Mode

### VoIP Protocol

- SIP v2.0 (UDP/TCP),RFC3261SDP,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 SIPAccounts
- NAT: Dynamic NAT, Rport

### 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)

### Maintenance

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

### Call Features

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

### Environmental

- Redundant Power Supply

## Dinstar MTG3000 16 E1/T1 Trunk Gateway (MTG3000-16E1)

Power Supply: 100-240VAC, 50-60 Hz  
Power Consumption: 110W  
Operating Temperature: 0 ? ~ 45 ? Storage Temperature: -20 ? ~80 ?  
Humidity: 10%-90% Non-Condensing  
Dimensions(W/D/H): 437\*320\*88mm(2U)  
Unit Weight: 6.5kg  
Compliance: CE, FCC,CCC

**Price: £7,651.50**

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