



# MTG3000T Transcoding VoIP Gateway

## Overview

MTG3000T is a highly-reliable and high-performance trunk gateway which is used for VoIP code conversion and designed for telecom operators and various industries. Focusing on a concept of maintainable, manageable and operable, MTG3000T features high integration and large capacity. It constructs a flexible, high-efficient and future-oriented communication network for users.

MTG3000T supports SIP (Session Initiation Protocol) and multiple codec methods. With high-capacity concurrency, quick connection, the gateway improves the utilizing efficiency of trucking resources while ensuring voice quality. It is widely used by call centers, operators and large-size enterprises for the entry into IMS network based on VoIP.

## MTG3000T



## Key Features

- Up to 1568 sessions of G.729-G.711 simultaneously via a standard 2U box.
- Provide Voice over IP, FAX over IP and Modem/POS services.
- Flexible dialing rules, thus adapting to different requirements of different environments.
- Support Multiple Codes
- Support the conversion of multiple coding methods such as G.711A/U, G.723.1, G.729A/B, iLBC, G.726 and AMR.
- Have good compatibility with Huawei SoftX3000, and leading softswitches and IMS systems from ZTE, Nokia and Alcatel etc.
- Easy and Convenient Management

## Physical Interfaces

### Digital Processing Unit (DTU)

4\* DTU Maximum

Support 512 Voice Channels Each Board

### Ethernet Interface

GE1: 10/100/1000 BaseT Adaptive Ethernet

GE0: 10/100/1000 BaseT Adaptive Ethernet

### Console

Standard: RS-232, baud rate 115200bps

Connector type: RJ45

## Transcoding capability

### DTU board

(1 session = 2 channels)

711<-->711: 512 sessions

711<-->729: 392 sessions

711<-->723: 336 sessions

711<-->726: 512 sessions

711<-->iLBC: 240 sessions

711<-->AMR: 208 sessions

723<-->729: 224 sessions

### MTG3000T

711<-->711: 2048 sessions

711<-->729: 1568 sessions

711<-->723: 1344 sessions

711<-->726: 2048 sessions

711<-->iLBC: 960 sessions

711<-->AMR: 832 sessions

723<-->729: 896 sessions

## Voice Capabilities

### Protocol:

SIP over UDP and TCP

Support NGN SIP,IMS SIP

RFCs:3261, 3262, 3263, 3264, 3265,

3515,2976, 3311, 1889, 3204, 3389 etc.

SIP-T

### VoIP Interface

Dual 10/100/1000Base-T

RJ45 connectors on MCU board

### DTMF Relay

RFC2833,SIP Info method, In-band

Echo Cancellation

### Voice Processing

Silence Suppression

Voice Activity Detection

Adaptive Dynamic Buffer

### Fax:

T.30/Pass-through

T.38

## Digital transcoding unit (DTU)

4 DTU Boards

**Codecs:** G.711, G.723.1, G.729AB,

iLBC 13kbps,15kbps, AMR, G.726

## Software Features

Caller/Called number black lists

Caller/Called number white lists

Trunk Groups

IP access rule list

SIP Registration/SIP Trunk

NAT Traversal

## Maintenance

Cloud based management system

Web GUI management

SNMP v2 remote management

Firmware Upgrade via TFTP/FTP/HTTP

Support configuration backup/restore

Local maintenance via console

## Troubleshooting

Call trace/syslog

Call test

Network capture

Signaling hunter

System snapshot

## Environmental

Redundant Power Supply

Power Supply: 100-240VAC, 50-60 Hz

Power Consumption:110W

Operating Temperature:0 °C ~ 45 °C

Storage Temperature: -20 °C ~80 °C

Humidity:10%-90% Non-Condensing

Dimensions (W/D/H): 437\*320\*88mm(2U)

Unit Weight: 6.2kg

**Compliance:** CE, FCC

## Shenzhen Dinstar Co.,Ltd.

Floor 18, Building 7A, Vanke Cloud City Phase 1, Xingke 1st Street, Xili Sub-district, Nanshan District, Shenzhen, P.R. China 518000

www.dinstar.com  
sales@dinstar.com

**DINSTAR**

## About Us

Founded in 2011 in Shenzhen, DINSTAR is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs, IP Phones and SBCs, we have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now DINSTAR serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.