Yeastar TG Series

VoIP GSM/WCDMA Gateway for Cost Reduction

VoIP | GSM/WCDMA | SMS | USSD | Carrier Selection

Firewall | VLAN | DDNS | VPN | QoS

Yeastar TG is a series of VoIP GSM/WCDMA gateway connecting GSM/WCDMA Network to VoIP Network directly, which can support two-way communication: GSM/WCDMA to VoIP or VoIP to GSM/WCDMA. It is the best solution ever to connect IP-based telephone systems, and softswitches to GSM/WCDMA network; and also the best fallback solution when landline goes down.

Benefits

• **Cost saving**

Save phone bills tremendously with mobile-to-mobile calls and SIP trunks

• **Back up**

Work as a cost-effective backup when the landline network goes down

• **Easy to install**

Everything can be easily set up in the Web based management interface

• **Easy to integrate**

High compatibility with major IP-PBX and softswitch brands

Interface

- TG100:1 GSM or WCDMA Channel*
- TG200: 2 GSM or WCDMA Channels*
- TG400: 4 GSM or WCDMA Channels*
- TG800: 8 GSM or WCDMA Channels*
- TG1600: 16 GSM or WCDMA Channels*
- 1 LAN Ethernet 10/100 BASE-T
- Antenna splitter (4 in 1 antenna): TG400, TG800, TG1600

Voice Processing

- Protocol: SIP, IAX2
- Transport: UDP, TCP, TLS, SRTP
- Voice Codec: G.711 (alaw/ulaw), G.722, G.726, G.729A, GSM, ADPCM, Speex
- Echo Cancellation: ITU-T G.168 LEC
- DTMF Mode: RFC2833, SIP INFO, In-band
- SIP server for IP phones included
- SIP Response Code Switch
- Session Timer
- Call Progress Tone Generation
- 1 Stage/2 Stage Dial

System Features

- GSM/UMTS Ports Group Manage
- VoIP Trunk Group
- Incoming /Outgoing Routing rules
- White List and Black List
- Hotline
- Call Duration Limitation
- Call Transfer
- Call Waiting
- Call Back
- Call Detail Record (CDR)
- Call Status Display
- NTP
- IP Blacklist
- Network Attack Alert
- Packet Capture
- System Logs
- Real Open API Protocol (Based on Asterisk)

Mobile Features

- GSM Frequency: 850/900/1800/1900MHz
- WCDMA Frequency: 850/1900MHz, 850/2100MHz, 900/2100MHz
- SMS Sending and Receiving
- Send Bulk SMS
- SMS Center
- Gain Adjustment
- USSD
- PIN Modify
- Carrier Selection: Auto/Manual
- Balance Alarm
- Caller ID/CLIR
- Open API for SMS and USSD

Network & Management

- Network Protocol: FTP, TFTP, HTTP, SSH
- NAT Traversal: Static NAT, STUN
- Static Route
- OpenVPN
- Firewall
- VLAN
- QoS/ToS
- DDNS
- Configure Backup/Restore
- Firmware Upgrade by HTTP/TFTP
- Web based Configuration

Physical

Model	Size (mm)	Power Supply
TG100	110x70x24	DC 12V, 1A
TG200	213x160x44	AC 100-240V
TG400	213x160x44	AC 100-240V
TG800	340x210x44	AC 100-240V
TG1600	440x280x44	AC 100-240V

- Operation Range: 0°C to 40°C, 32°F to 104°F
- Storage Range: -20°C to 65°C, -4°F to 149°F
- Humidity: 10-90% non-condensing

*Depends on which type of network you order.