

# Yeastar TG Series

## VoIP GSM/3G/4G Gateway for Cost Reduction



Yeastar TG is a series of VoIP GSM/3G/4G gateway connecting GSM or 3G WCDMA or 4G LTE network to VoIP network directly and can support two-way communication: GSM/3G/TG to VoIP or VoIP to GSM/3G/4G. It is the best solution ever to connect IP-based telephone systems, and softswitches to GSM/3G/4G network; and also the best fallback solution when landline goes down.

### Benefits

#### Mobile networks

Link up PBX systems with GSM or 3G WCDMA or 4G LTE networks

#### Cost saving

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

#### SMS

Send and receive SMS messages via Web interface and support bulk SMS

#### 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

#### Easy to integrate

High compatibility with mainstream IP-PBX and softswitch

## Interface

- TG100: 1 GSM or 3G Channel\*
- TG200: 2 GSM or 3G or 4G Channels\*
- TG400: 4 GSM or 3G or 4G Channels\*
- TG800: 8 GSM or 3G or 4G Channels\*
- TG1600: 16 GSM 3G or 4G Channels\*
- TG100, TG200, TG400:  
1 10/100 Mbps Ethernet Interface
- TG800, TG1600:  
2 10/100 Mbps Ethernet Interfaces
- 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
- Call Progress Tone Generation
- 1 Stage/2 Stage Dial

## System Features

- Mobile Ports Groups
- VoIP Trunk Group
- Incoming /Outgoing Routing rules
- White List and Black List
- Hotline
- AutoCLIP
- 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

\*Depends on which type of network you order.

## Mobile Features

- GSM Frequency: 850/900/1800/1900MHz
- WCDMA Frequency: 850/1900MHz, 850/2100MHz, 900/2100MHz
- 4G LTE Band: depends on the module type
- VoLTE if the Carrier Supports
- SMS Sending and Receiving
- Send Bulk SMS
- SMS Center
- Gain Adjustment
- USSD
- PIN Modify
- Carrier Selection: Auto/Manual
- Talk Time 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