

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/4G to VoIP or VoIP to GSM/3G/4G. It is the best GSM trunking solution for IP-based telephone systems, the best fallback solution in case of landlines outages, and also the best alternative for areas with limited landline or SIP connection.

Benefits



Mobile networks

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



SMS

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



Easy to install

Everything can be easily set up in the Web based management



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 integrate

High compatibility with most IP-PBX and softswitches

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 or 3G Channels*
- TG100, TG200, TG400:
1 10/100 Mbps Ethernet Interface
- TG800, TG1600:
2 10/100 Mbps Ethernet Interfaces
- Optional 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
- Call Blocklist
- Hotline
- AutoCLIP
- Call Duration Limitation
- Call Transfer
- Call Back
- Call Detail Record (CDR)
- Call Status Display
- NTP
- IP Blocklist
- 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