Yeastar TG Series

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

VoIP	GSM/3G/4G	SMS	USSD	Carrier Selection
Firewall	VLAN	DDNS	VPN	QoS

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
- Black List
- Hotline
- AutoCLIP
- Call Duration Limitation
- Call Transfer
- 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