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

**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 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 or 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
- 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

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>TG100</td>
<td>110x70x24</td>
<td>DC 12V, 1A</td>
</tr>
<tr>
<td>TG200</td>
<td>213x160x44</td>
<td>AC 100-240V</td>
</tr>
<tr>
<td>TG400</td>
<td>213x160x44</td>
<td>AC 100-240V</td>
</tr>
<tr>
<td>TG800</td>
<td>340x210x44</td>
<td>AC 100-240V</td>
</tr>
<tr>
<td>TG1600</td>
<td>440x280x44</td>
<td>AC 100-240V</td>
</tr>
</tbody>
</table>

- 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.