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

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

Easy to integrate
High compatibility with most IP-PBX and softswitches

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**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
- 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

*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**

<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

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