

Yeastar TG Series

VoIP GSM/CDMA/UMTS Gateway for Cost Reduction





Yeastar TG is a series of VoIP GSM/CDMA/UMTS gateway connecting GSM/CDMA/UMTS Network to VoIP Network directly, which can support two-way communication:

GSM/CDMA/UMTS to VoIP or VoIP to GSM/CDMA/UMTS.

It is the best solution ever to connect IP-based telephone systems, and softswitches to GSM/CDMA/UMTS network; and also the best fallback solution when landline goes down.

Benefits

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 interface

Easy to integrate

High compatibility with major IP-PBX and softswitch brands



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Interface

- TG100:1 GSM/CDMA/UMTS Channel
- TG200: 2 GSM/CDMA/UMTS Channels
- TG400: 4 GSM/CDMA/UMTS Channels
- TG800: 8 GSM/CDMA/UMTS Channels
- TG1600: 16 GSM/CDMA Channels
- 1 LAN Ethernet 10/100 BASE-T
- Antenna splitter (4 in 1 antenna): TG400, TG800, TG1600

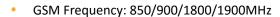
Voice Processing

- 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
- Session Timer
- Call Progress Tone Generation
- 1 Stage/2 Stage Dial

System Features

- GSM/CDMA/UMTS Ports Group Manage
- VoIP Trunk Group
- Incoming /Outgoing Routing rules
- White List and Black List
- Hotline
- 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
- Real Open API Protocol (Based on Asterisk)

Mobile Features



- CDMA Frequency: 800MHz
- UMTS Frequency: 850/1900MHz, 850/2100MHz, 900/2100MHz
- SMS Sending and Receiving
- Send Bulk SMS
- SMS Center
- Gain Adjustment
- USSD
- PIN Modify
- Carrier Selection: Auto/Manual
- Balance 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

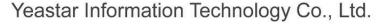
Physical

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





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