

TX30



Unified Communication Gateway

Product Overview

TX30 is a multi-functional gateway, which integrates voice service (PSTN and VoIP) and data service (VoLTE 4G/WCDMA 3G). It provides three voice interfaces (including VoLTE, FXS and FXO), offering seamless connectivity to VoIP Network, PLMN and PSTN. Based on SIP, it not only can interact with VoIP network, but also supports types of GSM/WCDMA/VoLTE frequency ranges, thus meeting the worldwide requirements about the mobile network. TX30 supports WiFi and has high-speed data-handling capacity, allowing users to enjoy high-speed internet surfing through WiFi or the LAN port. With VPN transparent transfer function, TX30 is ideally suitable for personal use. Meanwhile, it is perfect for small and micro enterprises, providing high-speed internet access, good voice service and messaging service.

Capabilities

FXS/FXO/GSM/LTE interface on a single device
 Send/receive calls from PSTN/PLMN via FXO/GSM/VoLTE
 Flexible dial plan, via time, numbers, source IP etc.
 IVR customization
 High speed NAT forwarding, support WIFI hotspot
 Built-in SIP server
 Support 32 SIP Extensions & 8 Concurrent Calls
 User-friendly web interface, multiple management ways

Physical Interface

- FXS Port: 1
- FXO Port: 1
- VoLTE SIM Slot: 1
- **Ethernet Interfaces**
1 WAN & 3LAN 10/100 Base-T RJ45
- **WIFI**
2.4GHz 802.11b/g/n,2T2R

Voice Capabilities

VoIP Protocols: SIP over UDP/TCP/TLS, SDP, RTP/SRTP
 Codecs: G.711a/μ law, G.723.1, G.729A/B, iLBC, G.726
 Silence Suppression
 Comfort Noise Generator (CNG)
 Voice Activity Detection (VAD)
 Echo Cancellation: G.168 with up to 128ms
 Dynamic Jitter Buffer
 Adjustable Gain Control
 Automatic Gain Control (AGC)
 Call Progress Tones: Dial Tone, Ring Back Tone, Busy Tone
 FAX: T.38 and Pass-through
 NAT: STUN/UPnP
 DTMF: RFC2833/SIP Info/In-band



FXS Interface

- Connector: RJ11
- Caller ID: Bellcore Type 1&2, ETSI,BT,NTT and DTMF
- Answer and Disconnect Signaling: Answer, Disconnect, Busy Tone
- Polarity Reversal
- Hook Flash

FXO Interface

- Connector: RJ11
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection
- No Current Detection

Mobile Interface

- GSM/GPRS/EDGE: 900/1800MHz
- WCDMA(3G):
 - UMTS/HSDPA/HSPA+ B1/B8
 - TD-SCDMA B34/B39
- LTE(4G):
 - TDD-LTE B38/B39/B40/B41
 - FDD-LTE B1/B3/B7/B8
- SIM/USIM: 1 USIM per Channel
- SIM Card: 1.8V, 3.0V
- Antenna: 3.0dB, SMA Interface
- SMS/USSD

Supplementary Services

- Call Forward (Unconditional/No Answer/Busy)
- Call Waiting
- Call Hold
- Call Transfer
- Hotline
- Do-not-disturb
- 3 Way Conference

Software Features

- Ring Group
- Routing Groups
- Caller/Called Number Manipulation
- Routing Base on Time Period
- Routing Base on Caller/Called Prefixes
- Routing Base on Source Trunks
- Dial Rules
- Failover Routing
- FXO Impedance Auto Match
- IVR Customization
- Auto Attendant Function
- CDRs

Maintenance

- Web GUI Configuration
- Telnet Management
- Configuration Restore/Backup
- Multiple Languages Supported
- HTTP/TFTP/FTP Firmware Upgrade
- Auto Provision
- CDR Report and Export
- Syslog
- Ping and Tracert
- Traffic Statistics: TCP,UDP,RTP
- Network Capture
- NTP

Device Attributes

- Power Supply: 12VDC, 1A
- Power Consumption: 10W
- Operating Temperature: 0°C ~ 45°C
- Storage Temperature: -20° ~80°
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 126×75×25mm
- Unit Weight: 0.7kg



TX30 VoLTE has several variants model to meet the customer requirements.

Model	Description
TX30-1T1S1O	1 VoLTE, 1 FXS, 1 FXO, WIFI, 1 WAN 3 LAN, Built in SIP IP Centrex System
TX30-1T1S	1 VoLTE, 1 FXS, WIFI, 1 WAN 3 LAN, Built in SIP IP Centrex System
TX30-1S1O	1 FXS,1 FXO, WIFI, 1 WAN 3 LAN, Built in SIP IP Centrex System
TX30-1S	1 FXS, WIFI, 1 WAN 3 LAN, Built in SIP IP Centrex System

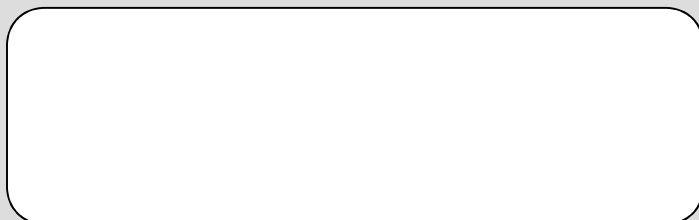
Front View



Rear View



Note: The TX30 is tested working with Jio SIM



For More details:
visit : www.techroutes.com
Or contact
sales@techroutes.com
info@techroutes.com