TG200 Trunk Gateway

TG200 is cost-effective trunk gateway equipment specific design for open source market to work with Asterisk/Elastix/small IPPBX. Its built-in echo canceller function and voice decoding conversion function. Users can flexibly select G.711A/U, G.729, G.723,iLBC a variety voice decoding and easily complete IP and PSTN voice and signal converting. In addition, TG200 provides friendly GUI configuration interface, users can freely configure and manage the equipment.

Product Picture

Key Features

Cost-effective media gateway for open source communications solutions

Support echo cancellation, DJB, CNG, VAD and QoS

Up to 60 simultaneous calls with 1/2 ISDN PRI ports

Built-in Web-based management, SNMP, command line interface (CLI)

Standard ISDN compliant and Interoperable with a wide range of IP-PBXs

Physical Interfaces

- **E1/T1 Ports**
  1 or 2 E1/T1
- **Interface Type**
  RJ48(Impedance 120Ω)
- **Ethernet Interface**
  FE1: 10/100 Base-T Adaptive Ethernet
  FE0: 10/100 Base-T Adaptive Ethernet
- **Serial Port**
  1* RS232, 115200bps

Voice Capabilities

- Default codec:G.711a/μ law,
- G.723.1, G.729AB, iLBC （License)
- Silence Suppression
- Comfort Noise
- Voice Activity Detection
- Echo Cancellation (G.168),with up to 128ms
- Adaptive Dynamic Buffer
- Voice ,Fax Gain Control
- FAX:T.38 and Pass-through
- Support Modem/POS
- DTMF Mode: RFC2833/SIP Info/In-band
- Clear Channel/Clear Mode
- VLAN 802.1p/q

PSTN

- ISDN PRI
  23B+D(T1),30B+D(E1),NT or TE
  ITU-T Q.921, ITU-T Q.931, Q.Sig
- R2 MFC (optional)
  China and other 22 variants standard
- E1 Frame Type : DF,CRC-4,CRC_ITU
- T1 Frame Type :
  4-Frame Multi-frame (F4,FT),2-Frame Multi-frame (F12, D3/4),Extended Super-frame (F24, ESF) ,Remote Switch Mode (F72, SLC96)
- Line Codes:
  E1:NRZ,CMI,AMI,HDB3
  T1:NRZ,CMI,AMI,B8ZS

VoIP Protocol

- SIP v2.0 (UDP/TCP),RFC3261 SDP,RTP(RFC2833), RFC3262, 3263,3264,3265,3515,2976,3311
- RTP/RTCP, RFC2198, 1889
- SIP-T,RFC3372, RFC3204, RFC3398
- SIP Trunk Work Mode :Peer/Access
- SIP/IMS Registration :with up to 256 SIP Accounts
- NAT: Dynamic NAT, Rport

Software Features

- Local/Transparent Ring Back Tone
- Overlapping Dialing
- Dialing Rules，with up to 2000
- Voice Codecs Group
- Access Rule Lists
- 2 SIP Trunks
- Route direction: PSTN-IP, IP-PSTN

Environmental

- Power Adapter: 100-240VAC@DC12V1A
- Power Consumption:10W
- Operating Temperature:0℃ ~ 45℃
  Storage Temperature: -20℃ ~80℃
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H): 225*150*38mm
- Unit Weight: 0.75kg
- Compliance: CE, FCC

Maintenance

- Web GUI Configuration
- Data Backup/Restore
- PSTN Call Statistics
- SIP Trunk Call Statistics
- Firmware Upgrade via TFTP/Web
- SNMP v1/v2/v3
- Network Capture
- Syslog: Debug, Info, Error, Warning , Notice
- Call History Records via Syslog
- NTP Synchronization
- Centralized Management System