

# TG2000

## Trunk Gateway



### Product Overview

TG2000 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 it easily completes IP and PSTN voice and signal converting. In addition, TG2000 provides friendly GUI configuration interface, users can freely configure and manage the equipment.

### Key Features

- Cost-effective VoIP trunk gateway.
- Support echo cancellation, DJB, VNG, VAD and QoS .
- Voice Capacity: G.711A/U 120 channels maximum.
- G.723.1/G.729A/B 64 channels maximum(\*optional)
- Simple Configuration, friendly GUI, strong handling capacity, stability system
- Good compatibility, support Asterisk, Elastix, Free switch etc.

### Physical Interface

- ISDN Interface  
1/2/4\* E1/T1, G.703, 120ΩRJ-48c
- Network Interface & Protocol  
WAN and LAN, 2 \* 10/100M Base-TX, RJ-45  
IPv4, IPv6
- RS232 Console  
RJ-45, 115200bps

### Voice Capabilities

- G.711A/U law (G.723.1, G.729A/B, iLBC – optional)
- Silence Suppression & Detection
- Comfort Noise Generation (CNG)
- Voice Activity Detection (VAD)
- Echo Cancellation (G.168)
- Adaptive (Dynamic) Jitter Buffer
- Call Progress Tone Generation
- Programmable Gain Control
- T.38/Pass-through
- DTMF Mode: Signal/RFC2833/ Inband

## VoIP Protocol

- SIP-RFC3261,3262,3263,3264,3265 , 3515,2976,3311
- SDP -RFC 2327
- RTP/RTCP-RFC2198,1889
- Network Protocol  
IP, TCP, UDP, TFTP, FTP, RTP, RTCP, ARP/RARP, ICMP Ping, NTP, SNTP, Http, DNS, IPv4 and IPv6

## Physical Feature

- Power supply:100-240V,50-60Hz  
output:12VDC,1.0A
- Temperature:  
(Operation): 0 °C~ 45 °C  
(Storage): -20 °C~80 °C
- Operation Humidity: 10%-90% no condensation
- Dimension(w/D/H): 225\*150\*38mm
- Weight: 0.75kg

## Signal

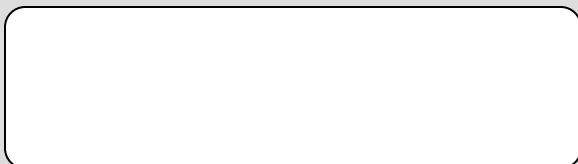
- PRI/PRA  
ISDN E1 / T1, Japan T1.  
ITU-T I.431, Q.921, Q.931, ETSI Q.sig

## Maintenance

- Web based configuration
- Data backup/restore
- Support English and Chinese
- Firmware upgrade by TFTP/web
- Web & Telnet login password modify
- Factory reset
- Output CDR/logs by Syslog.
- Call statistics
- NTP Configuration

## Ordering Information

- 1 E1 PRI Gateway : TG2000-1E1
- 2 E1 PRI Gateway : TG2000-2E1
- 4 E1 PRI Gateway : TG2000-4E1



**For More details:**  
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