

CXG9000 Series Gateways

Highlights

- ✓ High-integrated structure, up to 20 E1 ports in 1U size
- ✓ Support multiple coding standards: G.711A/U, G.723.1, G.729A/B and iLBC
- ✓ Support IPv4 and IPv6
- ✓ Carrier grade hardware design, 1+1 power supply
- ✓ Support flexible dialing rules and operations
- ✓ High compatibility, interoperable with PBX of Avaya, NEC and Alcatel, and Leading Soft-Switch
- ✓ Dual (1+1) SIP Server Option



CXG9000 Series is a multi-functional Chassis based gateway offering seamless connectivity between IP- based SIP telephony system and legacy PSTN Networks and PBX systems. The device offers 2/4/8/16/20/24 E1/T1 ports, It is ideally suited for Small Medium and Large businesses, call centers and multi-location environments that need VoIP services. CXG9000 Series supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.

Overview

CXG9000 Series is available in 2/4/8/16/20/24 E1/T1 ports variant and is one of the advanced designed Voip PSTN Gateway by Creative. It Support multiple coding standards: G.711A/U, G.723.1, G.729A/B and iLB. Fully compatible with SIP industry standard and able to interoperate with any other SIP and legacy PSTN Networks available in the market

Management

- Firmware Upgradeable
- Web Management Interface
- Telnet
- Configuration Backup/Restore
- CDR
- PSTN Call Statistics
- SIP Trunk Call Statistics
- Network Capture
- **Syslog** : Debug, info, Error, Warning, Notice
- Multi User Level
- Ping/Tracert Tes
- SNMP v1/v2/v
- TR069

Audio (FAX & Voice)

- G.711A/U law, G.723.1, G.729A/B,
- G.726,iLBC
- Silence Suppression
- Comfort Noise Generation(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation(G.168), with up to 128ms
- Adaptive (Dynamic) Jitter Buffer
- Hook Flash
- Programmable Gain Control
- T.38/Pass-through
- Modem/POS
- DTMF mode: Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q
- Layer3 QoS and DiffServ

PSTN

ISDN PRI

- 23B+D(T1),30B+D(E1),NT or TE
- ITU-T Q.921, ITU-T Q.931, Q.Sig

Signal 7/S

- ITU-T, ANSI, MTP1/MTP2/MTP3, TUP/ISUP

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)

Line Codes

- E1:NRZ,CMI,AMI,HDB3
- T1:NRZ,CMI,AMI,B8ZS

Protocols

- SIP V2 (RFC 3261,3262,3263,3264)
- Backward Compatible with RFC2543
- Session Timer (RFC4028)
- SDP (RFC2327)
- RTP/RTCP (RFC1889 and RFC1890)
- NAPTR for SIP URI Lookup (RFC2915)
- STUN (RFC 3489)
- ARP/RARP (RFC 826/903)
- SNTP (RFC 2030)
- DHCP/PPPoE
- PPTP/L2TP VPN/ OpenVPN
- HTTP Server for Web Management
- TFTP/HTTP/HTTPS for Auto Provisioning
- DNS/DNS SRV (RFC1706 and RFC 2782)
- NAT/NAPT Router function
- ETSI,QSIG, R2MFC, and CAS

- PPTP/L2TP VPN
- SIP proxy redundancy
- IP conflict detection

I/O Interfaces

- 1 RJ-45 for WAN port (Ethernet 1000 Base-T)
- 2 RJ-45 for LAN port (Ethernet 1000 Base-T)
- 2/4/8/16/24 Port PRI/E1 RJ45

Network

- Static / Dynamic IP,
- PPPoE
- DHCP Client
- IPv4/IPv6
- TCP, UDP, TFTP, FTP, ARP, RARP,
- Ping, NTP, SNTP, HTTP/HTTPS, DNS
- Ping / Tracert

Software Features

- Local/Transparent Ring Back Tone
- Overlapping Dialing
- Dialing Rules up to 2000
- Dual (1+1) SIP Server Option
- PSTN group by E1 port or E1 Timeslot

Power (Dual1+1)

- AC-AC Input: 100~240V, 50~60Hz

Environmental/ Compliance

- Operation Temperature: 0~50 Degree C
- Storage Temperature: -20~ 80 Degree C
- Relative Humidity: 10%~90% No Condensing
- Compliance: CE, FCC, UL, RoHS
- EMC: 47 CFR FCC Part 15: 2015 Subpart-B (Class-A)

Ordering Information

Part Code	Description
CXG9000-2	Fixed 2 Port PRI/E-1/T1
CXG9000-CH	06 Slot Modular Chassis
CXG9000-MC	Management Card
CXG9000-4E	04 Port E-1 Card
CXG9000-4T	04 Port T-1 Card

Creative is a Leading state of the art technology based VoIP & Unified Communication System Developer and Provider and focused on research & Innovation , Creative offers global standard Embedded SIP-PBX , VoIP Gateway and Telephony application software to cater SoHO, SME, SMB and Enterprise Communication requirements.