

### NXG Series 16V



VoIP Gateways are multi-functional interface gateway designed to empower Volte & GSM technology with the blend of SIP-PBX. Featured with integrated Sim Bank, NXG Series Gateways deliver Telco grade solution and telephony features to enterprise and SMB. SIP Server call survival and inbuilt router function add more value addition during production hours and reduce downtime due to network or SIP server failure. Innovative product line fully complied for Work From Home solution such as VPN, Parallel Call Recording, remote call Recording, CDR, SIP Trunk Connectivity , IVR manager...etc. Web Socket API / Events is one of the power tool inbuilt for 3rd party CRM integration or offers option to develop own GUI for monitoring and management.



- VolTE Gateway
- Call Recording
- Call Survivability
- SMS IN/OUT
- VPN
- Inbuilt IP-PBX
- WebSocket API
- Router Features inbuilt
- ACD & Call Queue
- HD Voice Quality
- Integrated 1:4 SIM Bank
- CDR Reports
- WFH Complied
- IVR Manager
- Any to Any Call Routing



Part Code	Telco Interface	Channel	SIM Slot	PBX User	Call Rec. R	Router	API
NXG - 32 V	32 VoLTE/GSM	60	128	200	YES	YES	WebSocket
NXG - 16 V	16 VoLTE/GSM	30	64	100	YES	YES	WebSocket
NXG - 16 V	8 VoLTE/GSM	15	32	50	YES	YES	WebSocket

## **VoLTE Gateway**

### **Telephony Features:**

SIP Intercom, IVR, Voicemail  
 SMS to EMAIL, DISA, Paging, ACD  
 Ring Group, Call Conference, MoH  
 Video call, Call Recording, Call Hold,  
 Transfer, Park, Call Routing, CDR  
 Call Queue, SIP Trunk, Web Socket API,  
 SMS IN/OUT, USSD, Call Barge  
 Call Monitor, Caller ID, Call Waiting,  
 Call Forward, Three-way Calling, Video Call, Remote Call Pickup.....etc

### **SIP/Voice Processing:**

SIP V2.0, RFC3261, SDP RFC2327  
 RTP/RTCP RFC3551, CNG, VAD,  
 AGC, CPT, DTMF Signal RFC2833, RFC4733,  
 128ms Echo Cancellation,  
 Dynamic Jitter Buffer, Silence  
 Suppression, SIP INFO, STUN, DNS  
 SRV/A query, RBT

### **Management:**

HTTPS Web GUI, Reverse NAT, Backup /  
 Restore, Ping, Tracert, Auto Provisioning,  
 Firmware uploads HTTP/S, Factory Reset,  
 PCAP, AT Log, Syslog, GSM / VoLTE

Call Test

**Wireless Frequency:**

FDD LTE: B1/B3  
TDD LTE: B38/B39/B40/B41  
TDSCDMA: B34/B39  
CDMA2000 1x/EVDO: BC0  
GSM: 900/1800MHz

**Voice/Video Codec:**

G.711A, G.711U, G.729 A/B  
G.723, G.722, H263, H264,  
GSM, iLBC, Speech Codec  
Modes: HR, FR, EFR, AMR,  
AMR-WB

**Physical Interface:**

2x Ethernet- 10/100 LAN/WAN  
1x USB, 1x RJ45 Consol  
32x Antenna Connector  
1x Reset Button  
LED Status Indicator  
128 SIM card Slot

**Operating Temperature:**

Operating: 32 ~ 104°F / 0 ~ 40°C,  
10 ~ 90% (non-condensing)  
Storage: 14 ~ 140°F / -10 ~ 60°C

**Network Protocol:**

NAT Router, DHCP Client or Server,  
PPPoE, HTTP, HTTPS, TCP / UDP,  
TFTP, FTP, Telnet, ARP, RARP, RTP/  
RTCP, SSH, ICMP

**Dimension & Weight:**

Dimension: 440×44×200mm  
Weight: 3.7 Kg  
Package Weight: 6 Kg.

**Power Supply:** 12V / 3A PSU

**Compliance:** CE /FC / RoHS

**Encryption & Security:**

SRTP, TLS, HTTPS, SSH, NAT  
Firewall, White/Block List, Session  
Timer, ACL, VPN