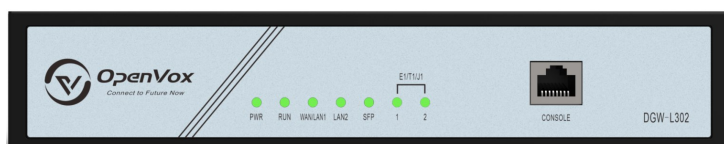
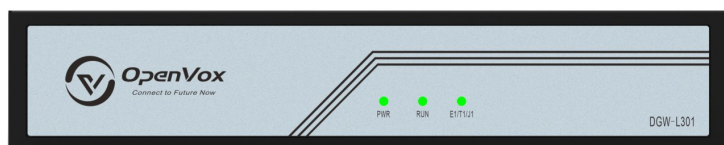




OpenVox DGW-L301/L302/L304 Digital Gateway

Overview

The OpenVox DGW-L301/L302/L304 is a digital VoIP gateway equipped with E1/T1 interfaces, designed to connect traditional digital telephone lines (PSTN and ISDN) with VoIP networks. As a converged media gateway, it enables seamless integration of traditional telephone systems into IP networks, achieving perfect convergence between VoIP telephony and conventional telephone infrastructures. Users can easily configure and customize the gateway through an intuitive and user-friendly graphical interface. Additionally, it supports powerful API interfaces, facilitating secondary development and deep customization. The DGW-L301/L302/L304 offers 1/2/4 software-selectable T1/E1 interfaces, supports PRI, SS7, and R2 signaling, and can handle up to 30, 60, or 120 concurrent calls, meeting communication needs of various scales.



Key features

- 1/2/4 E1/T1 Port
- Support SNMP
- Support IPv4 and IPv6
- OpenAPI for all functions
- Multiple codecs: G.711A/U, G.723.1, G.729A, iLBC, OPUS, ARM and ARM-WB
- Support easy management
- Fully Compatible with leading SIP based VoIP Telephony System
- Support PRI/R2/SS7

Physical Interfaces

Capacity

- 1/2/4 E1/T1 Port
- 1 * RS232(RJ45)

Ethernet Interfaces:

- 1 * WAN
DGW-L301:10/100Mbps, RJ-45
DGW-L302/L304:1000Mbps, RJ-45
- 1 * LAN
DGW-L301:10/100Mbps, RJ-45
DGW-L302/L304:1000Mbps, RJ-45

Voice & FAX

- G.711A/U,G.723.1,G.729A, iLBC, OPUS, ARM and ARM-WB
- Comfort Noise Generation(CNG)
- Adaptive (Dynamic) Jitter Buffer
- Programmable Gain Control
- DTMF mode: SIP INFO/RFC4733/INBAND
- T.38/Pass-through
- Echo Cancellation(G.168), with up to 128ms

PSTN

ISDN PRI

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

Signal 7/SS7

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

E1 Frame Type : DF,CRC-4,CRC_ITU

T1 Frame Type :

- 2-Frame Multi-frame (F12, D3/4) Extended Super-frame (F24, ESF)

Line Codes:

- E1:HDB3 T1:B8ZS

Clock : Local/Remote Clock Source

System Features

- T1/E1/PRI, up to 30/60/120 energy efficiency concurrent processing
- Signaling: PRI/R2/SS7
- Support up to 24 countries' standard R2 signaling
- Simple and convenient configuration via Web GUI
- Support protocols: SIP, TCP, UDP, RTP, SSH, HTTP, HTTPS
- Support NTP time synchronization and client time synchronization
- Support SSH access for background management, Asterisk CLI command operation
- OpenAPI for all functions
- Support ports group management
- Support for custom dialplans
- Firmware update by HTTP
- Support call statistics
- Support auto provision
- Support channel status show dynamically
- Support backup/upload configuration file
- Multiple detailed log output
- Support scheduled reboot
- Support Asterisk, Issabel,3CX, Freeswitch, VOS, and BroadSoft IPPBX platforms

Network Features

- Network type: Static IP,DHCP
- IPv4, IPv6, UDP/TCP, DHCP, TFTP, SCP
- HTTP/HTTPS/SSH
- Support ping & traceroute command on the web
- Support network capture on the web
- Support MGT and IP aliases
- Layer 2 QoS and Layer 3 QoS
- dnssrv fast switching
- loopback network topology hiding
- Cloud-based Management

Routing

- Flexible routing settings
- Support 512 routing
- Support caller/callee manipulation and filtering
- Support add, modify & delete routing
- E1/T1 port grouping
- Support Failover

VoIP Protocol

- SIP v2.0 (UDP/TCP),RFC326
- SDP,RTP(RFC2833), RFC3262, 3263,3264,3265,3515,2976,3311 SIP TLS/SRTP
- RTP/RTCP, RFC2198, 1889
- SIP-T,RFC3372, RFC3204, RFC3398
- SIP Trunk Work Mode : Peer/Access
- SIP/IMS Registration :With up to 2000 SIP Accounts
- NAT: Dynamic NAT, Rport

OpenVox DGW-L301/L302/L304 Digital Gateway

Product Name	DGW-L301	DGW-L302	DGW-L304
Interfaces			
E1/T1 Ports	1	2	4
Console	RS232 (RJ45)		
Ethernet port	2 * 10/100Mbps ports	2 * 1000Mbps ports	
General Info			
Weight	1.2Kg	1.3Kg	1.4Kg
Dimension	232mm*152mm*45mm		
Maximum power	12W		
Universal Power Supply	12V 1A		
Concurrent Call	30	60	120
Operation Temperature	0℃ ~ 50℃		
Operation Humidity Range	10% ~ 90% NON-CONDENSING		
Storage Temperature Range	-20℃ ~ 70℃		
Certification	CE		



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