DGW-100XR Gateway Datasheet

DGW-100XR Gateway

OpenVox DGW-100XR series T1/E1 Gateway is an open source asterisk-based VoIP Gateway solution for operators and call centers. It is a converged media gateway product. This kind of gateway connects traditional telephone system to IP networks and integrates VoIP PBX with the PSTN seamlessly. With friendly GUI, users may easily setup their customized Gateway. Also secondary development can be completed through AMI (Asterisk Management Interface).

There are three E1/T1 Gateway models, the DGW-1001(R), DGW-1002(R) and DGW-1004(R). There is one port on DGW-1001 supporting 30 channels most, two ports on DGW-1002 supporting 60 channels most and four ports on DGW-1004 supporting 120 channels most. The "R" means that the device supports redundant power supply. It is developed with a wide selection of codecs and signaling protocol, including G.711A, G.711U, G.729A, G.722, G.723 and GSM. It supports PRI/R2/SS7 protocol. OpenVox T1/E1 Gateway has good processing ability and stability and we provides 1/2/4 T1/E1 interface for your choice. The DGW-100XR series gateways will be 100% compatible with all kind of SIP servers, such as Asterisk, Elastix, trixbox, 3CX, FreeSWITCH and other VoIP operating platforms.

Appearance

Parameter

- Size: DGW-1001/2/4(R)——44cm*23cm*4.4cm
- Weight: DGW-1001/2/4(R)(with single power)——2900g
- DGW-1001/2/4(R)(with dual power)——3050g

Feature List

General Info	
Storage temperature	-40~85℃
Operating temperature	0~70℃
Operation humidity	5%~95% non-condensing
Power supply specification	100-240V/AC
Maximum power	20W
WAN interface (Eth0)	1
LAN interface (Eth1)	1
VGA interface	1
USB 2.0 interface	2

Physical Interfaces and Properties	
Ethernet connectors	RJ45
ISDN interface	E1/T1, BNC (G.703), RJ-48 120Ω
Signal	PRI, SS7, R2

System Features

Available in 1/2/4 port T1/E1 PRI/R2/SS7, energy efficiency concurrent processing, up to 120

Simple and convenient configuration via Web GUI

Codecs support: G.711A, G.711U, G.729A, G.723.1, G.722, GSM

Support protocols：SIP、IAX、TCP、UDP、RTP、SSH、HTTP、HTTPS

Support NTP time synchronization and client time synchronization

Support SSH access for background management, Asterisk CLI command operation

Open API interface (AMI)

Support ports group management

Support for custom dialplans

Echo Cancellation (Octasic® DSP)

Support backup/upload configuration file

Multiple detailed log output

Firmware update by HTTP

Support Chinese language

Automatically reboot

Call statistics

Support SNMP

Support TR069	
Support Auto Provisioning	
Lock/unlock channel	
Call status information	
Good compatibility, support Asterisk, Elastix, Freeswitch and Small and medium IPPBX platform	
Available for OEM	
3-month "No Question Asked" Return Policy, and Two-year Warranty	

Sample Applications

Connect legacy PBX systems to low-cost VoIP services
Connect legacy PBX systems to remote sites over private VoIP links
Connect IP PBX systems to legacy TDM services
Phased transition from legacy PBX to IP PBX
Connect virtualized systems to legacy TDM services
Transcoding by connecting systems using varying codecs
Lync connectivity to SIP or legacy TDM providers and SIP or Legacy PBX

SIP Features

Support add, modify & delete SIP Accounts
SIP registration with Domain
E1/T1 port grouping
Support multiple SIP registrations: Anonymous, Endpoint registers with this gateway, This gateway registers with the endpoint
SIP accounts can be registered to multiple servers
Combine different SIP Trunks into group
SIP(RFC3261) compliance
DTMF: RFC2833, SIP INFO, INBAND
Support T.38 /Pass-through Fax

IAX Features

Support IAX trunk
Support encrypted transmitting

Routing

Flexible routing settings
Support 512 routing
Support caller/callee manipulation and filtering
Trunk group support, Trunk priority management

Support add, modify & delete routing

Network Features
Network type: Static IP and DHCP
IPv4, UDP/TCP, DHCP, TFTP, SCP
HTTP/HTTPS/SSH
Support DDNS
Support ping & traceroute command on the web
Support network capture on the web