

# 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 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(R) | 44cm*4.3cm*23cm | • Weight: DGW-1001(R) | 2813g (2976g) |               |
|                     | DGW-1002(R)     |                       | DGW-1002(R)   | 2817g (2980g) |
|                     | DGW-1004(R)     |                       | DGW-1004(R)   | 2842g (3005g) |



## 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, ISDN E1/T1(ITU-T 1.431, Q.921, Q.931)
System Features	
Available in 1/2/4 port T1/E1/PRI, 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)	
Firmware update by HTTP	
Support backup/upload configuration file	
Multiple detailed log output	
Automatically reboot	
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

## Routing

Flexible routing settings & unlimited routing rules

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