VG2000 Series Access Voice Gateway Datasheet

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Overview

MyPower VG2000 Series is a next-generation VoIP Gateway Series designed and optimized for today's business telecommunication needs. VG2000 is an affordable, scalable, interoperable, secure and reliable solution which not only provides traditional IP Voice functions, but also many advanced features including Call forwarding, Call waiting, Hotline dialing, IVR record etc.

MyPower VG2000 is access level VoIP gateway. It adopts fixed or Modular design and supports voice interface type, interface quantity, and processing capability configuration as required. It supports FXS, FXO and Voice E1 Interfaces.

MyPower VG2000-8 and VG2000-16 is fixed design which support 8 and 16 Port FXS interfaces, VG2000-32S/48S/64S support 32,48 and 64 Port FXS interfaces, VG2000-32 is modular design which is more flexible to configure different modules as required.

VG2000-8/16/32/48/64 VoIP Gateway

Key Features

- Support 3GPP SIP protocol and interconnection with mainstream SIP server vendors, providing voice service.
- Bring high-quality application experience for users by integrated call quality improvement mechanism
- Provide flexible call policy setting without changing original phone number and calling habit.
- Support upto 64/48/32-Port FXS, 16-Port FXO+16-Port FXS, One E1 links.

Leading technology
MyPower VG2000 series VoIP gateway supports the advanced SIP protocol . It can be compatible with the devices of the current mainstream SIP serv er manufactures and provides leading-edge, multi-protocol, high-availability, and high-quality voice service.

Open service architecture
MyPower VG2000 series VoIP gateway can be compatible with the devices of the current mainstream SIP server manufactures. It realizesIP voice and fax service and provides efficient communication experience for users.

Rich value-added functions
MyPower VG2000 Series VoIP gateway supports PSTN additional service and featured value added service. It greatly improves the customer work efficiency and VoIP system value.

Abundant management and maintenance modes
MyPower VG2000 series VoIP gateway provides standard Telnet and Shell management mode. The administrator can configure, maintain, and upgra de the device remotely. MyPower VG2000 series VoIP gateway also provid es abundant log information and helps administrator locate, analyze, and t roubleshoot the fault.

Specification

Hardware Specification		
Models	MyPower VG2000-8 (V4) MyPower VG2000-16 (V4) MyPower VG2000-32S (V4) MyPower VG2000-48S (V4) MyPower VG2000-64S (V4)	MyPower VG2000-32 (V4)
Product configuration		
10/100M Ethernet interface	2	2
Console	1	1
Slots	/	5
System interface		
Module interface	/	4FXS+4FXO Module; 8FXS Module; Voice E1 Module
Max. Voice interface	8 FXS (VG2000-8)； 16 FXS (VG2000-16)； 32 FXS (VG2000-32S)； 48 FXS (VG2000-48S)； 64 FXS (VG2000-64S)	32 FXS; 28FXS+4FXO； 16FXS+16FXO
Max. Voice E1	/	1
Protocol		
Ethernet interface	IEEE 802.2 (LLC), IEEE 802.3 (Ethernet)	
VoIP key protocols	SIP, T38, RFC2833	
Voice coding	G.711, G.723, G.729	
Compressed voice transmission	RTP/RTCP	
Management mode	SNMP, Shell	
Echo suppression	G.168–2000 compliant	
Voice activation/Comfort noise	VAD/CNG	

Signaling detection and generation		DTMF
System performance		
Long call/Long call retention rate		> 99%
Multichannel call completing rate		> 90%
Physical index		
H x W x D (mm)		44.5×440×200
Power requirements		
AC input voltage		90 – 265V
Frequency (Hz)		50 – 60Hz
Maximum power consumption (W)		<50W
Environmental parameter		
work temperature		0℃ – 40℃
work humidity		0% – 90%, non-condensing
Software feature		
Network protocol	SIP	SIP 2.0
		3GPP Release 10
	Media transmission	RTP
		RTCP
	IP application	DHCP
		DNS
		FTP
		Ping, Trace
Coding capability	g.729	g.729a
		g.729b
	g.723	g.723.1
	g.711	g.711a
		g.711u
Key Functions		Call pick-up
		Phone subscriber configuration
		Caller display and identification
		Call forwarding (call forwarding on busy, call forwarding no reply, call forwarding unconditional)
		Call waiting
		Hotline dialing

	Busy tone automatic identification
	IVR record

Order Information

Product Model	Description
VG2000-32 Model	
MyPower VG2000-32	V4 Version: MyPower VG2000-32, Voice Gateway Host, 5 Slots, 1 Slots for Voice E1 Module, 4 slots for FXS and FXO Module, Two 100M Ethernet Interfaces, AC Power Supply
MyPower VG2000-1RE1	V4 Version: Voice E1 Module
MyPower VG2000-4S4O	V4 Version: 4-Port FXS + 4-Port FXO Module
MyPower VG2000-8FXS	V4 Version: 8-Port FXS Module
VG2000-16 & VG2000-8 Model	
MyPower VG2000-64S	V4 Version: MyPowerVG2000-64S Voice Gateway, fixed 64-Port FXS interface, Two 100M Ethernet Interfaces, AC power supply.
MyPower VG2000-48S	V4 Version: MyPowerVG2000-48S Voice Gateway, fixed 48-Port FXS interface, Two 100M Ethernet Interfaces, AC power supply.
MyPower VG2000-32S	V4 Version: MyPowerVG2000-32S Voice Gateway, fixed 32-Port FXS interface, Two 100M Ethernet Interfaces, AC power supply.
MyPower VG2000-16	V4 Version: MyPowerVG2000-16 Voice Gateway, fixed 16-Port FXS interface, Two 100M Ethernet Interfaces, AC power supply.
MyPower VG2000-8	V4 Version: MyPowerVG2000-8 Voice Gateway, fixed 8-Port FXS interface, Two 100M Ethernet Interfaces, AC power adaptor