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VG3XE Series Multi Gateway

●Protocol: SIP & MGCP

●2-4 FXS/O Ports

●Routing , CDR, BusyTone Detection,

●DID, MWI T.38 Fax Relay,Echo Cancellation

VG3XE

is a perfect product for the telecom carriers to provide the residential telephony and fax services through the broadband networks such as FTTB, HFC, and ADSL. VG Series Gateway can be connected to the traditional PBXs to provide the voice solutions for enterprises, government, and schools. VG Series Gateway can also serve as a remote SIP terminal for IP-PBX solutions. VG Series Gateway is powerful hardware platform provides sufficient power for IP packetization, voice compression and echo cancellation even when the voice traffic is at the peak.

VG3XE Series Gateway is based on the embedded Linux operating system. With its powerful hardware platform and flexible software design VG Series Gateway can meet various voice application requirements.

VG3XE is the enhencement version of VG3X,support 4 concurrent calls, add pure FXO model,support more accurate CID detection capacity,higher reliability.Compatible with Microsoft Lync/OCS

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1. Product Features

Protocols	SIP(RFC3261)	UDP, TCP for Microsoft Lync
	MGCP	
	IMS	
	Network	Telnet, SSH, HTTP, DHCP-Client, PPPoE, Radius, DNS
Media Processing	Caller ID	Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID
	Codes	G.711a/mu, G.729A
	DTMF	Transparent transmission, RFC2833, SIP-INFO, hook-flash events
	Fax over IP	T.38 compliant Group 3 Fax Relay up to 33.6kbps and auto-switch to T.38 from G.711 Fax pass-through, Fax data pump V.17, V.21, V.27ter, V.29, V.34 for T.38 fax relay. Support Smart Fax over IP (SFoIP) to make fax event more reliable.
	Disconnect methods	Busy tone, polarity reversal/wink, loop current
	Echo cancellation	
Security	User-defined ports	SIP, HTTP/HTTPS port to access the Web GUI, RTP
	Whitelist	Whitelist of Web GUI and Telnet, IP address filtering of SIP
	Encryption scheme	Encryption on SIP signaling or/and media streams
	Ping blocking	
QoS	DiffServ, TOS, 802.1P/Q VLAN tagging	
High Availability	Redundancy	Primary-Standby, Active-Standby, Load balancing
	Failover	PSTN failover on power or network failure
Remote Management	Device management	TR069, SNMP
	Auto provision	TFTP, FTP, HTTP, DHCP option 66
Features	Call transfer	Blind transfer, consultative transfer
	Call forward	Call forward all (CFA), call forward no answer (CFNA), call forward busy (CFB)
	Call control	Routing based on the caller or callee number, digitmap, 3-way conference, speed dialing, do not disturb (DND), forking, color ringback tone, hunt group, ring cadence, message waiting indicator (MWI)
Management	Log management	8 levels, syslog
	Packet capturing	Ethereal capturing, port capturing
	Configuration	Configuration file import/export, reseting to the factory default
	Status and statistic	Call status and history, device state monitoring and statistics collection
	Version	Firmware upgrade via Web GUI

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2. Hardware Specifications

Product	Model	VG3XE-2S: 2 FXS ports VG3XE-4S: 4 FXS ports VG3XE-2: 2 FXO ports VG3XE-4: 4 FXO ports VG3XE-2S/2: 2 FXS ports and 2 FXO ports VG3XE-2S/1: 2 FXS ports and 1 FXO port
Front panel	Indicator	See Section 3
Back panel	2 or 4 RJ11 ports	Ports that connect to phones/fax machines or analog lines.
	1 RJ45 WAN port	WAN interface to connect to the Internet, 10/100 Mbps
	1 RJ45 PC port	LAN interface to connect PC, 10/100 Mbps
	1 DC power connector	Used for DC power connection
Capacity	Maximum number of FXS	4
	Maximum number of FXO	4
Performance	Concurrent call capacities	4 calls
	Lightning impulse withstand voltage	2.5 kV
	Ring voltage	65 V
Hardware specifications	CPU	MIPS34Kc，700MHz，SOC
	RAM	128MB
	FLASH	64MB，DDR2
Physical features	Dimensions (W×D×H)	150×109×30 (mm)
	Weight (net)	300g
	Power	12 VDC/1 A
	Enclosure material	Plastic
	Mounting mechanism	Desktop
Environmental requirements	Operating temperature	0 to 40 ℃
	Operating humidity	10 to 90% (non-condensing)
	Storage temperature	-40 to 70 ℃
	Storage humidity	5 to 90% (non-condensing)
Certification	Type	FCC, CE

3. Indicator Status

Indicator	Status	Description
PWR (green)	Blinking green	The device is starting
	Steady green	The device is running
	Off	The device is powered off or a power supply fault occurs.
STU (red, green)	Steady red	The WAN interface does not acquire the IP address. Possibly the WAN interface is not connected to a network cable, the WAN interface address fails to be acquired by using DHCP, the IP addresses are conflicted, and the PPPoE dialing fails.
	Blinking red	The device is starting or the update is upgrading.
	Steady green	Registration is successful.
	Blinking alternatively between red and green	Registration is failed.
	Blinking green	Incoming call.
	Off	Registration has not started.
WAN (green)	Steady green	A WAN connection is established without any service flow.
	Blinking green	A WAN connection is established with service flows.
	Off	WAN interface is disconnected.
PC (green)	Steady green	A link is connected without any service flow.
	Blinking green	A service flow is being transmitted.
	Off	A link is not connected.
FXS/FXO (green)	Steady green	Off-hook or call established
	Blinking green	Ringing on incoming call
	Off	The port is in idle status

For more information, please contact Us

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