



## VG-2408R

8-Port RJ-11 VoIP Gateway Router(8FXS)+1 WAN Port,  
SIP & H.323 (With Optional Module to 16/24-Port VoIP Gateway)

By Modular hardware design VG-2408R series makes any combination of the telephone interface. The PheeNet VG-2408R Series VoIP Gateway is fully SIP and H.323 standard compliant high density gateway that provides a total solution for integrating voice-data network and PSTN. By modular installation, this revolutionary compact voice over IP (VoIP) gateway could be easily configured as 8/16/24 channels high density FXS/FXO VoIP Gateway which provides voice connectivity over the IP network and to the Public Switched Telephone Network (PSTN).

### APPLICATION



### Features

1. Both support SIP and H.323 protocols: SIP Registration and Digest Authentication and H.323 Gatekeeper Registration
2. Single Number / Account for multiple ports
3. Smart VoIP call Dialing Book: VoIP call Book could provide any application VoIP call to any type destination (Domain name / IP address, PSTN or PBX) or hunting number setting
4. AC termination Impedance : 600/900 OHM and complex impedance
5. Answer Supervision for Polarity Reversal Detection and Voice detection
6. NAT traversal: This feature allow gateway to operate behind any NAT/Firewall device. There is no need to change any configuration of NAT/Firewall like setting virtual server.
7. Smart-QoS: This feature provides good voice quality when user place a VoIP call and access internet at the same time. The gateway will automatically start to reserve

- bandwidth for voice traffic when VoIP call proceeds.
8. Voice channels status display: This function display each port status like as on-hook, off-hook, calling number callee's number, talk duration, codec.
  9. Pulse Dial support: Support pulse dialing generation and detection. **(Optional)**
  10. CDR: Use Syslog Server to receive CDR information that gateway send by UDP.
  11. Modules Card Extension: Extension FXO/FXS Modules card upgrade gateway port max to 24 port.
  12. Embedded H.323 Gatekeeper (GK) / SIP Proxy Server (SVR): For 2/4/8 port gateway can embedded GK/SVR function. A simple H.323 GK / SIP proxy with gateway at the same device. Support standard Registered and call Sever Function.**(Optional)**
  13. Hot-Line Support(PLAR)
  14. Dynamic Jitter Buffer

## Specification

Industrial Standard	
Standard	IEEE802.3 10BaseT Ethernet IEEE802.3u 100BaseTX Fast Ethernet H323 v2/v3/v4 and SIP (RFC2543/3261), SDP (RFC2327), Symmetric RTP, STUN (RFC3489), ENUM (RFC2916)
Interface	LAN:1×10/100Base-TX Ethernet port WAN:1×10/100Base-TX Ethernet port Voice: 8-Port FXS, 2 voice expansion Slot Standard 50 pin RJ-21 Telco connectors
H.323/SIP Specification	
Voice Codec Support	G.711A/μ-law G.723.1 G.729A/B
Fax Support	T.30 real-time Fax complaint T.38 Fax relay Automatically FAX detection
Simultaneous Connection	Up to 8 channels voice/fax
Echo Cancellation:	G.165/G168(Version:2000)
Voice Processing	Silence Suppression: VAD, CNG Echo Cancellation: G.165/G.168
Input Level Adjustment	-9 dB to +9dB
Output Adjustment	-9 dB to +9dB
Direct Dialing Mode	peer to peer call (support IP Address Call or Domain Name Call)
Register Call Mode	register to SIP Proxy Server or H.323 Gatekeeper
Protocol	H.323 v2/v3/v4 and SIP (RFC 3261) , SDP (RFC 2327), Symmetric RTP, STUN (RFC3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833),

	<p>Outbound Proxy Support.</p> <p>LAN : Support Virtual Server, DHCP Server.</p> <p>WAN : Support PPPoE client, DHCP client, Fix IP Address, DDNS client.</p>
Management	<p>Web-based Graphical User Interface</p> <p>RS232 for configuration</p> <p>Remote management over the IP Network</p> <p>FTP firmware upgrade</p> <p>Backup and Restore Configuration file</p> <p>Front LCD Panel for System Status and Management</p> <p>Syslog support</p>
Network Address Translation	Providing build-in NAT router function.
Smart QoS	Guarantee the voice bandwidth
<b>Hardware</b>	
Environment	<p>Operating Temperature: 0 to 40° C</p> <p>Humidity: up to 90% non-condensing</p>
Power Supply	AC100V-240V, DC12V/1.5A,50/60 Hz
Line Impedance	600Ω/900Ω Complex line impedance
Ring Tone	16.67Hz, 20Hz(default), 25Hz or 50Hz
Dimensions	440 x 250 x 45 mm, 19" Rack-Mount / 1U
Certificate	FCC, CE

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