

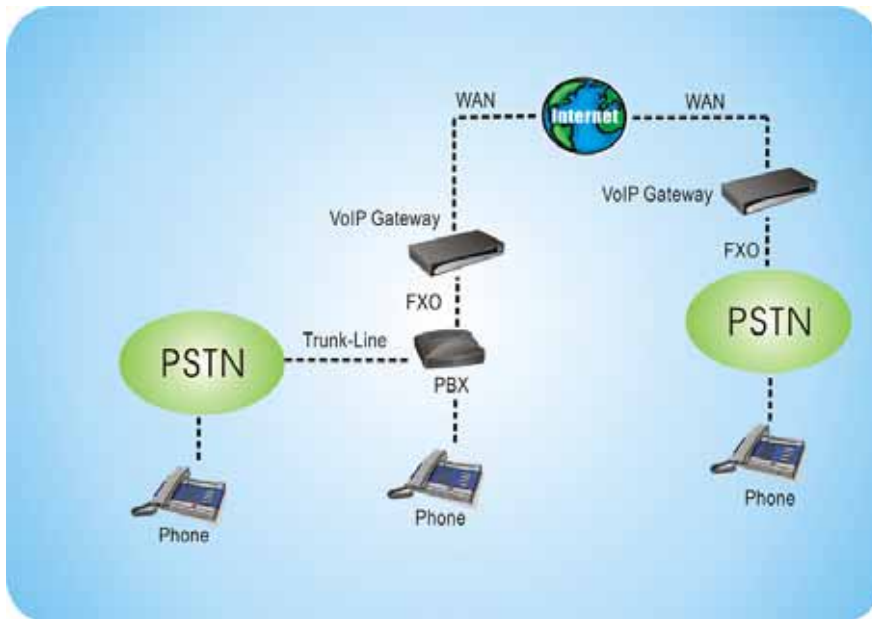


## VG-2480R

8-Port RJ-11 VoIP Gateway Router (8FXO)+1 WAN Port, SIP & H.323  
(With Optional Module to 16/24-Port VoIP Gateway) (VG-12480RD:is with caller ID for FXO)

By Modular hardware design VG-2480R series makes any combination of the telephone interface. The PheeNet VG-2480R 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.(Option)
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 FXO, 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), Outbound Proxy Support. LAN : Support Virtual Server, DHCP Server. WAN : Support PPPoE client, DHCP client, Fix IP Address, DDNS client.
Management	Web-based Graphical User Interface RS232 for configuration Remote management over the IP Network FTP firmware upgrade Backup and Restore Configuration file Front LCD Panel for System Status and Management Syslog support
Network Address Translation	Providing build-in NAT router function.
Smart QoS	Guarantee the voice bandwidth
<b>Hardware</b>	
Environment	Operating Temperature: 0 to 40° C Humidity: up to 90% non-condensing
Power Supply	AC100V-240V, DC12V/1.5A,50/60 Hz
Line Impedance	600Ω/900Ω Complex line impedance
Ringling Tone	16.67Hz, 20Hz(default), 25Hz or 50Hz
Dimensions	IU-440 x 250 x 45 mm
Certificate	FCC, CE

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