Easy-to-install, Compact Device for Enhanced Voice and Data Communications

Networking and Voice Gateway

The NG-VG is part of Alvarion's rich portfolio of WiMAX™ end user devices. This integrated wireless gateway features an optimal footprint with a maximal set of functionalities including Wi-Fi, voice and data connections (fax and printer) and Voice over IP (VoIP).

Ideal for Residential and SOHO Use

The Alvarion Networking and Voice Gateway (NG-VG) is a compact, standalone device designed to address the broadband access needs of residential and SOHO users. The NG-VG is packed full of powerful functions including wireless Internet via a broadband WAN connection, VoIP and IEEE 802.11 b/g Wi-Fi access. With a single socket powering the network gateway, the voice gateway and the outdoor CPE via Power over Ethernet (PoE), the NG-VG is especially handy for small enterprises and home offices.

Simplified Zero Touch Installation

The NG-VG comes with a browser-based setup and configuration utility for quick and easy installation, enabling wireless integrated home and SOHO gateway services on-the-fly.

Whether a home user or a SOHO, the NG-VG enables you to experience quality VoIP service and data connection quickly and conveniently - just connect the plugs and get started.

NG-VG Feature Highlights

- Single socket solution
- 1 WAN port transmitting PoE to an outdoor CPE
- Four data ports and two voice ports
- Wi-Fi antenna with IEEE 802.11b/g WLAN support
- 3 VLAN IDs per device (1 data, 1 voice, 1 management)

Hardware Specifications

VoIP

VoIP Voice Features
Adaptive Jitter Buffer, Voice Activity Detection
Comfort noise generation, caller ID detection/generation
Call progress tone
Codecs: G.711 A/u , G.729a
G.168 echo cancellation
T.38 fax , G3 fax/modem tone detection and auto-fallback to G.711

I/O Ports

Physical Interfaces
10/100 BaseT RJ-45 ports for WAN interface with proprietary PoE
4 10/100 BaseT RJ-45 ports for LAN interface
2 RJ-11 ports for FXS
1 Wi-Fi antenna
1 power jack (3-wire, 55VDC, 12VDC, GND)
1 reset switch

LED Indicators
LAN status
WAN status
FXS status
Wi-Fi link status
Power on/off

WiFi Standard

Standard Compliance
802.11b 14dBm
802.11g 15dBm

WiFi Radio

Antenna System (WiFi)
External 3 dBi omni antenna

Software Specifications

Networking

IPv4
UDP for Ipv4
TCP v4
Address Resolution Protocol (ARP)
VLAN tagging per service
UPnP (Universal Plug & Play)
DHCPv4 runtime client
DHCPv4 server
DHCP Applications
DHCPv4 runtime client
DHCPv4 server
PPP Support
PPPoE (RFC 2516)
NAT/NAPT Features
Application Level Gateways (ALGs)
- TFTP
- FTP
- SIP
Network Applications
- IP Routing
- Port Forwarding
- DMZ Host
- SNTP client
Firewall Features
- Denial of service attack
- TCP/IP/port/interface filtering rules
- MAC layer filtering
- Day-time parental control
VoIP Protocol, Stack and Call Features
- SIP support
- SIP V2 (RFC3261), SDP (RFC2327) standards
- RTP/RTCP (RFC1889) support
- Call hold, call waiting, call forwarding, caller ID
- Call transfer, call conference support
Management
Local configuration
- Web
- Local web software upgrade
SNMP
- SNMP v1/v2c agent
- SNMP MIBs: MIB-II

Wi-Fi Features

Security
WEP encryption: 64 Bit, 128 Bit ,EAP-WPA2
SSID
Support SSID

Environmental

Operating Temperature
0°C to 45°C
Operating Humidity
5% ~ 95% non-condensing
Storage Temperature
-40°C to 65°C
Storage Humidity
10% - 90%

Power Consumption

Power consumption (Max)
12W

Certification

EMC   FCC Part 15 class B
Radio   FCC Class B
Safety EN60950
Certification
CE
Recycling
WEEE-compliant
Green Initiative
RoHS-compliant

Physical

Dimension (HxWxD)
231x36x136 mm

www.alvarion.com

About Alvarion

Alvarion (NASDAQ:ALVR) is a global 4G communications leader with the industry's most extensive customer base, including hundreds of commercial 4G deployments. Alvarion's industry leading network solutions for broadband wireless technologies WiMAX, TD-LTE and WiFi, enable broadband applications for service providers and enterprises covering a variety of industries such as mobile broadband, residential and business broadband, utilities, municipalities and public safety agencies. Through an open network strategy, superior IP and OFDMA know-how, and ability to deploy large scale end-to-end turnkey networks, Alvarion is delivering the true 4G broadband experience today (www.alvarion.com)