

Networking Gateway

For use with Alvarion's BreezeMAX™ and BreezeACCESS® VL systems*

Product Highlights

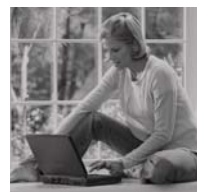
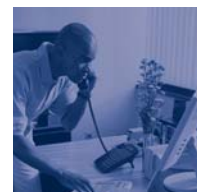
- Combines a broadband router with a 4 port switch and a wireless LAN access point
- Increases service provisioning options for residential, SOHO and SME subscribers
- Enables service to multiple businesses or residents, working independently of each other
- Employs advanced multiple security mechanisms
- Supports wireless home and office networking applications



Alvarion's wireless networking gateway is a powerful and highly efficient broadband wireless access CPE that enables operators and service providers to offer residential, SOHO and SME subscribers a flexible range of networking services. With four Ethernet ports for connecting various data equipment or LANs working completely independent of each other, the gateway features comprehensive routing functionality and supports advanced multiple security mechanisms including firewall, packet filtering, domain filter support, URL blocking support, VPN pass-through, DoS attack detection support and more.

MAN Outside - LAN Inside

The wireless networking gateway serves as a flexible broadband wireless access indoor unit. In addition, the networking gateway includes an IEEE 802.11b/g compliant access point for wireless LAN functionality to support numerous users for wireless home and office networking applications. In this manner, it delivers a combined solution of both LAN and MAN capabilities in one system.



Detailed Feature Summary

- **Auto-sensing 4-port Ethernet switch** with built-in printer sharing, firewall, DMZ host support and auto sensing of applications that require multiple tunnels such as video conferencing
- **High speed wireless LAN connections** for up to 54 Mbps IEEE 802.11b/g
- **Advanced security functionality** including packet filtering, domain filter support, URL blocking support, VPN pass-through and DoS attack detection support
- **Advanced scheduling, alert and routing functionality**
- **DRAP (dynamic resource allocation protocol)** – instantly recognizes (auto discovery) and registers the wireless networking gateway upon power up



Front



Back

* When used with the VL hardware - only hardware revision C will be compatible

Specifications

International Corporate Headquarters

Tel: +972 3 6456262
Email: corporate-sales@alvarion.com

North America Headquarters

Tel: +1 650 314 2500
Email: n.america-sales@alvarion.com

Latin America & Caribbean

Tel: +1 954 746 7420
Email: lasales@alvarion.com

Brazil

Tel: +55 41 3024 6665
Email: brazil-sales@alvarion.com

China

Tel: +86 10 8857 6770
Email: china-sales@alvarion.com

Czech Republic

Tel: +420 222 191 233
Email: czech-sales@alvarion.com

France

Tel 1: +33 1 49 38 91 91
Tel 2: +33 1 34 38 54 30
Email: france-sales@alvarion.com

Germany

Tel: +49 172 1310758
Email: germany-sales@alvarion.com

Ireland

Tel: +353 66 712 8004
Email: uk-sales@alvarion.com

Japan

Tel: +81 3 3761 7206
Email: japan-sales@alvarion.com

Mexico

Tel: +52 55 5340 1421
Email: mexico-sales@alvarion.com

Philippines

Tel: +632 754 8028
Email: far.east-sales@alvarion.com

Poland

Tel: +48 22 863 28 78 / 80
Email: poland-sales@alvarion.com

Romania

Tel: +40 21 266 47 31
Email: romania-sales@alvarion.com

Russia

Tel: +7 095 783 82 31
Email: info@alvarion.ru

Singapore

Tel: +65 9631 4700
Email: far.east-sales@alvarion.com

South Africa

Tel: +27 12 6728836
Email: africa-sales@alvarion.com

U.K.

Tel: +44 845 450 1414
Email: uk-sales@alvarion.com

Uruguay

Tel: +598 2 606 2651
Email: lasales@alvarion.com

Radio

Frequency	2400-2483.5 MHz
Antenna	Omni -2dBi
Output power	10, 12, 15, 17 dBm
Data rates	IEEE 802.11g mode: 54M, 48M, 36M, 24M, 18M, 12M, 6M with auto fallback IEEE 802.11b mode: 11M, 5.5M, 2M, 1M with auto fallback in.

Standards

Wireless LAN	Compliant with IEEE 802.11b/g	
EMC	ETS EN 301 489-17	
Safety	EN 60950 (CE)n	IEC 60 950 US/C UL
Outdoor radio	ETSI 300 328	FCC Part 15
Immunity	EN 55024:1998	

Configuration and Management

Web Configuration Server	SNMP V1 and V2c A file (with an extension 'cfg'.) can be loaded into the unit from the web configuration server or TFTP
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Mechanical

Dimensions (WxHxD)	190.5 x 26.2 x 111 mm (7.5x1.0x4.4 inch)
Weight	0.62 kg (1.4 lb)

Electrical

Power transformer	100-240 VAC, 50-60 Hz, 2A max. (Supplies 5 VDC for the unit itself, and 55 VDC for the ODU)
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Connectors

Power	DC Power Inlet from the unit's Power Transformer
ODU	RJ-45 connection to ODU. Carries Ethernet, power (55 VDC) and signaling to be connected only to ODUs of BreezeMAX CPEs and BreezeACCESS VL Rev. C CPEs.
Port 1-4	10/100BaseT, RJ-45 LAN ports for networked computers and other devices.
USB	USB Host Port for a USB printer.
Antenna	SMA connector for the WLAN antenna

Environmental

Operating temperature	0° to 40° Celsius (32° to 104° Fahrenheit)
Operating humidity	5% to 95% non condensing

Packing

• Transportation	ETSI 300 019-2-2 T 2.3
• Storage	ETSI 300 019-2-1 T 1.2
• Barcode	Code 128



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