Specifications

International Corporate Headquarters
Tel: +972 3 645 6262
Fax: +972 3 645 6222
Email: corporate-sales@alvarion.com

North America Headquarters
Tel: +1 760 517 3100
Fax: +1 760 517 3200
Email: n.america-sales@alvarion.com

Latin America & Caribbean
Tel: +1 954 746 7420
Fax: +1 954 746 9332
Email: lasales@alvarion.com

Brazil
Tel: +55 41 3636 665
Fax: +55 41 3637 617
Email: brazil-sales@alvarion.com

China
Tel: +86 10 8857 6770
Fax: +86 10 8857 6772
Email: china-sales@alvarion.com

Czech Republic
Tel: +420 222 191 233
Fax: +420 222 191 200
Email: czech-sales@alvarion.com

France
Tel: +33 1 34 38 54 30
Fax: +33 1 34 38 54 39
Email: france-sales@alvarion.com

Germany
Tel: +49 89 90405 923
Fax: +49 89 90405 922
Email: germany-sales@alvarion.com

Japan
Tel: +81 3 3761 7206
Fax: +81 3 3761 7208
Email: alvarion-japan@alvarion.com

Mexico
Tel: +52 55 11 071 915 ext. 6
    +52 555 340 1421
Fax: +52 555 340 1403
Email: mexico-sales@alvarion.com

Romania
Tel: +40 21 266 47 31
Fax: +40 21 266 47 36
Email: romania-sales@alvarion.com

Russia
Tel: +7 (095) 783 82 31
Fax: +7 (095) 783 82 31
Email: info@alvarion.ru

U.K. & Ireland
Tel: +44 845 450 1414
Fax: +44 845 450 1455
Email: uk-sales@alvarion.com

Uruguay
Tel: +598 2 606 2651
Fax: +598 2 606 2652
Email: lasales@alvarion.com

Product Features

Data rate	Up to 3 Mbps
Net throughput	Up to 1.9 Mbps
Aggregate	Over 15 Mbps (overlapped cells)

Range

Integrated antennas	900 m (3,000 ft)
External antennas	up to 5 km ETSI,8 mi US/FCC
With amplifiers	up to 50 km (30 mi)*
Office environment	150 m (500 ft)
High speed roaming	Up to 90 km/h (60 mph)
No.of APs per wired LAN	Unlimited
Max.no.of collocated cells (APs)	15
Load sharing support	Yes

Wired LAN interface

Compliant with	Ethernet/IEEE 802.3
Physical interface	10BaseT
Connector type	RJ-45
Networks Operating Systems	All
Network Drivers	

Wireless LAN Interface

	Compliant with IEEE 802.11

Radio Specifications

Modulation Type	Frequency Hopping Spread Spectrum
Frequency Range	2.4 GHz -2.4835 GHz ISM band
Antenna System	Dual diversity
Transmitted Power	
Integrated antennas	10 mW or 100 mW (20 dBm)EIRP
External antennas	50 mW (17 dBm)at the connector Up to 36 dBm EIRP for 24 dBi antenna
Sensitivity (at 1/2/3 Mbps)	-81/-75/-67 dBm
Modulation	2,4,8 Multilevel GFSK
Demodulation	DSP based w/adaptive equalization
Approvals of Compliance	FCC part 15,ETS 300-328, UL,UL/C,TUV/GS,CE

Management

Configuration and Setup	Local monitor port (serial RS-232)and SNMP
Site Survey	Local monitor port (serial RS-232)
LED indicators	Power on,Wired LAN activity Wireless LAN synchronization, Wireless LAN signal quality/load
SNMP management	Yes
S/W upgrade	Yes,using TFTP download

Electrical

External power supply	100 V -250 V,50 -60 Hz 0.5 A
Input Voltage	5 VDC
Power Consumption	1.5 A (peak)
Power Save Mode	

Size &Weight

Dimensions (w/o antennas)	13 cm x 8.6 cm x 3.4 cm (5.1"x 3.4"x 1.35")
Weight	0.4 kg (0.9 lb)

Enironmental

Operating Temperature	0°C -40°C (32°F -105°F)
Operating Humidity	5%-95%non condensing

* dependent on country regulations

alvarion
We're on your wavelength.

www.alvarion.com

BreezeNET PRO.11 Wireless LAN

Hopping the spectrum

BreezeNET PRO.11's superior range, coverage and flexibility make it the ideal wireless infrastructure solution for enterprises and campus communities whose daily operation depends on reliable network connectivity and high-speed Internet access.

The BreezeNET family of products provides efficient, cost effective and consistent building-to-building, in-building and Internet networking with the added-benefit of seamless roaming,introducing a mobile dimension to enterprise-wide communications.

Providing an indoor/outdoor wireless infrastructure for high-speed network access, BreezeNET PRO.11 leverages frequency hopping spread spectrum technology, which is optimized for high density and noisy environments, enabling uninterrupted mobile connectivity to a vast number of simultaneous users.

Featuring plug-and-play network installation, BreezeNET is immediately deployed and scales easily to the changing needs of the network environment.

Product Highlights

BreezeNET PRO.11 delivers a comprehensive range of product features, ensuring fast, consistent and reliable networking services, including:

- Wide range of indoor and outdoor products
- High speed roaming up to 90 km/h (60 mph)
- Data range of up to 3 Mbps, with an aggregate backbone data rate of up to 15 Mbps using a multicell configuration
- Outdoor range of 50 km (30 miles) and indoor range of 150 m (500 ft)
- Load balancing between co-located access points
- Compatibility with any standard Ethernet port
- IEEE 802.11 and IEEE 802.3 compliance
- Wired Equivalent Privacy (WEP) using the RC4 encryption algorithm as defined in the IEEE 802.11 standard
- DHCP client

AP-10

SA-10

WB-10

BreezeNET PRO.11 System Components

AP-10 / AP-10D Access Point	Connects directly to the 10 BaseT Ethernet backbone using a RJ-45 connector and transmits data across the network between the wired LAN and wireless users.
SA-10 / SA-10D and Station Adapter	Connects to any RJ-45 10 BaseT Ethernet port to provide universal client adaptation and plug-and-play wireless connectivity.
WB-10D Workgroup Bridge	Connects remote Ethernet networks, wired or wireless, to an AP-10 Access Point, enabling high density network traffic.

BreezeNET PRO.11 - High-speed, high-density networking

alvarion
We're on your wavelength.
®