

Simply Connect to the World of WiMAX™

BreezeMAX[®] Si 4000

The BreezeMAX Si family is part of Alvarion's rich portfolio of WiMAX end user devices. Optimal in-building coverage together with zero touch installation and provisioning, enables operators to meet mass-market needs at reduced operational costs.



Ideal for Residential and SOHO Use

BreezeMAX Si is a family of compact, single-box indoor access units. Designed to address the needs of residential and SOHO users, it combines a range of features including easy plug and play installation, NLOS capabilities for in-building coverage and optional battery backup for primary voice service. BreezeMAX Si supports the 2.3, 2.5 and 3.5 GHz frequency bands and includes a range of built-in technologies, such as advanced antenna scanning, hybrid ARQ, sub-channelization and high receive sensitivity to ensure enhanced coverage, capacity and user throughput.

Zero Touch Installation and Provisioning

BreezeMAX Si is an easy-to-use plug and play solution, offering data, voice and WiFi interfaces in a compact desk-mounted box. BreezeMAX Si is designed with intelligent automatic provisioning methods, improving both the top and bottom lines. Zero touch installation and provisioning enables reduced operational costs (OPEX) and speeds up deployment of new devices, resulting in faster time-to-money for new networks.

BreezeMAX Si Highlights

- IEEE 802.16e-2005 Wave 2 compliant
- Designed for residential and SOHO use
- Non-Line-of-Sight (NLOS) support for in-building coverage
- Plug and play installation and provisioning
- Compact, desk-mounted indoor WiMAX device
- Various physical interfaces: up to 4 data ports, 2 VoIP FXS ports and WiFi access point
- Optional frequencies: 2.3*, 2.5* or 3.5 GHz
- Coverage range of up to 3 km
- Carrier grade network management system simplifying network deployment and rapid expansions

* Future

Headquarters

International Corporate HQ
Tel: +972.3.645.6262
Email: corporate-sales@alvarion.com

North America HQ
Tel: +1.650.314.2500
Email: n.america-sales@alvarion.com

Sales Contacts

Australia:
anz-sales@alvarion.com

Asia Pacific:
ap-sales@alvarion.com

Brazil:
brazil-sales@alvarion.com

Canada:
canada-sales@alvarion.com

Caribbean:
caribbean-sales@alvarion.com

China:
cn-sales@alvarion.com

Czech Republic:
czech-sales@alvarion.com

France:
france-sales@alvarion.com

Germany:
germany-sales@alvarion.com

Italy:
italy-sales@alvarion.com

Ireland:
uk-sales@alvarion.com

Japan:
jp-sales@alvarion.com

Latin America:
lasales@alvarion.com

Mexico:
mexico-sales@alvarion.com

Nigeria:
nigeria-sales@alvarion.com

Philippines:
ph-sales@alvarion.com

Poland:
poland-sales@alvarion.com

Portugal:
sales-portugal@alvarion.com

Romania:
romania-sales@alvarion.com

Russia:
info@alvarion.ru

Singapore:
asean-sales@alvarion.com

South Africa:
africa-sales@alvarion.com

Spain:
spain-sales@alvarion.com

U.K.:
uk-sales@alvarion.com

Uruguay:
uruguay-sales@alvarion.com

For the latest contact information
in your area, please visit:
www.alvarion.com/company/locations



www.alvarion.com

© Copyright 2010 Alvarion Ltd. All rights reserved.
Alvarion® and all names, product and service names
referenced herein are either registered trademarks,
trademarks, tradenames or service marks of Alvarion Ltd
in certain jurisdictions. All other names are or may be the
trademarks of their respective owners. The content herein is
subject to change without further notice.
*WiMAX Forum is a registered trademark of the WiMAX
Forum. *WiMAX, the WiMAX Forum logo, *WiMAX Forum
Certified and the WiMAX Forum Certified logo are trademarks
of the WiMAX Forum.

215523 rev.a

Specifications

Physical Interface

| | |
|------|--------------------------|
| LAN | 1 x 10/100 Base-T port |
| VoIP | 1 x SIP FXS port |
| WiFi | 802.11b/g (only 3.5 GHz) |

WiMAX Features

| | |
|---------------------|------------------------------|
| Standard Compliance | IEEE 802.16e-2005 |
| Duplex Mode | TDD |
| Frequency Bands | |
| 2.x GHz* | 2485-2695 MHz |
| 3.x GHz* | 3400-3600 MHz |
| Channel bandwidth | 5, 7, 10 MHz |
| Modulation | QPSK, 16QAM, 64QAM |
| Transmit Power | 28dBm |
| Antenna Type | 2 x Embedded Dipole |
| Antenna Gain | 5dBi |
| Authentication | EAP-TTLS, EAP-TLS (optional) |
| QoS | BE, RT, NRT, ERT, UGS |

* 2.3, 2.5 GHz: Future

VoIP Features (optional)

| | |
|---------------------|------------------------------------------------------------------------------------------|
| Standard Compliance | SIP v2 RFC 3261 |
| Voice Codecs | G.711 (a-law and u-law), G.729ab, T38 |
| Call Features | Call transfer, call waiting, 3-way conference call, call blocking, call forwarding |

WiFi Features

| | |
|---------------------|----------------------------|
| Standard Compliance | 802.11b/g |
| WiFi Security | WEP encryption 64, 128 bit |

* 2.3, 2.5 GHz: Future

Networking Features

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Management | Web, TR-069, OMA-DM |
| Firewall | Yes |
| WAN | NAT IP CS, multiple DHCP clients, Eth/VLAN CS, Static IP, internal PPPoE client, internal L2TP client, internal PPTP client, IPSec VPN client |
| NAT | NAT, Virtual Server, Special Application DMZ Host |
| VPN | Internal VPN clients, L2TP, PPTP with or w/o IPSEC per configuration Supports NAT transversal for transparent VPN transfer |

Mechanical Features

| | |
|--------------------|-----------------------|
| Dimensions (HxWxD) | 230x155x35 mm |
| Power Source | 100-240 VAC, 50-60 Hz |

Standards and Regulations

| | |
|-----------------------|-----------------------------------------------------------------------------------|
| EMC | FCC Part 15B Class B ETSI EN 301 489-1/4 EN 55022 Class B |
| Radio | FCC Part 25, 27 EN 300 328, EN 302 326-1, EN 302 326-2 ETSI EN 302 544-2 |
| Safety | UL 60950-1 EN 60950-1 / IEC 60950-1 |
| Operating Temperature | 0 to 45 C (32-113 F) |
| Humidity | 5% to 95% non condensing |

About Alvarion

Alvarion (NASDAQ:ALVR) is a global leader in 4G wireless communications with the industry's most extensive customer base with hundreds of commercial WiMAX deployments. Alvarion's industry leading solutions enable true open 4G and vertical applications for service providers and enterprises. Through an OPEN WiMAX 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)