

Simply Connect to the World of WiMAX™

BreezeMAX® PRO 3000

The BreezeMAX PRO family is part of Alvarion's rich portfolio of WiMAX end user devices. Offering extended coverage and high throughput, the field-proven BreezeMAX PRO family of outdoor CPEs is ideal for enterprise or rural deployments.



Meeting Enterprise Needs with High Data Throughput

BreezeMAX PRO is a family of IEEE 802.16e-2005 Wave 2 compliant, hybrid access units designed for extended coverage and high data throughput. BreezeMAX PRO devices include directional high-gain antennas together with a range of built-in technologies such as advanced antenna switching, hybrid ARQ, sub-channelization and high receive sensitivity to provide high throughput and robust performance. Designed to address enterprise needs, BreezeMAX PRO also offers QoS management, flexible voice, data and WiFi configurations, and a carrier-class network management system that enables rapid expansions and effective fault management for quick resolution.

Extended Coverage for Rural Deployments

BreezeMAX PRO devices contain a high-gain flat antenna for Line-of-Sight (LOS) installations enabling extended coverage, particularly suitable for rural use. Additional technologies for improving network performance and enabling reduced investment costs include adaptive modulation technology which maximizes bandwidth throughput

over large distances, and a carrier-class network management system which simplifies network deployment for cost-effectively meeting customer demands.

BreezeMAX PRO devices also support various licensed and license-exempt frequencies to answer specific operator needs.

BreezeMAX PRO Highlights

- IEEE 802.16e-2005 Wave 2 compliant
- Designed to withstand extreme environmental conditions
- High throughput and top link quality suitable for enterprises
- Extended coverage for rural deployments
- Support for a variety of configurations and services including data, voice and WiFi
- Optional frequencies: 2.5 or 3.5 GHz
- Coverage range of up to 15 km
- Carrier grade network management system simplifying network deployment and rapid expansions

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Specifications

Physical Interface

LAN 1 x 10/100 Base-T port

WiMAX Features

Standard Compliance IEEE 802.16e-2005
Duplex Mode TDD
Frequency Bands
2.x GHz 2500-2700 MHz
3.x GHz 3400 - 3600 MHz
Channel Bandwidth 5, 7 (3.5 GHz only), 10 MHz
Modulation QPSK, 16QAM, 64QAM
Transmit Power 27dBm (MAX)
Antenna Type 2 x Embedded Directional Antenna
Antenna Gain 15dBi
Authentication EAP-TTLS, EAP TLS (optional)
QoS BE, RT, NRT, ERT, UGS

Networking Features

Device Management Web, TR-069
Firewall Supported
WAN Static IP address, DHCP client
NAT NAT, Virtual Server,
Special Application DMZ Host,
NAT Transversal
VPN IPSec, PPTP & L2TP pass through

Mechanical Features

Dimensions (HxWxD) 200x200x55 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 27
EN 302 326, EN 302 544-2
Operating Temperature 0 to 45 C (32 to 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)