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-2004 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: 2.3, 2.5 or 3.3-3.8 GHz
- Coverage range of up to 15 km
- Carrier grade network management system simplifying network deployment and rapid expansions
## Specifications

### Physical Interface
- **LAN**: 1 x 10/100 Base-T port

### WiMAX Features
- **Standard Compliance**: IEEE 802.16-2004, IEEE 802.16-2005 Wave-1
- **Duplex Mode**: TDD/FDD
- **Frequency Bands**
  - 2.x GHz: 2305-2360 MHz
  - 2350 - 2360 MHz
  - 2495 - 2690 MHz
- **3.x GHz**: 3300-3400 MHz, 3600-3800 MHz
- **Channel Bandwidth**: 5, 7 (3.5 GHz only), 10 MHz
- **Modulation**: QPSK, 16QAM, 64QAM
- **Transmit Power**: 19dBm (2.x GHz), 20dBm (3.x GHz)
- **Antenna Type**: Embedded Directional Antenna
- **Antenna Gain**: 14.5 dBi @ 2.3/2.5 GHz, 16.5 dBi @ 3.5 GHz
- **Authentication**: EAP-TTLS
- **QoS**: BE, ER, UGS

### Networking Features
- **Device Management**: Web, TR-069
- **WAN**: Static IP, DHCP, PPPoE, L2TP
- **VPN**: IPSec, PPPoE, PPTP & L2TP pass through

### Mechanical Features
- **Dimensions (HxWxD)**: 210x210x54 mm
- **Weight**: 1.25 kg
- **Power Source**: 100-240 VAC, 50-60 Hz

### Standards and Regulations
- **EMC**: ETSI EN 301 489-1/4
- **Radio**: ETSI EN 301 021 V1.6.1, ETSI EN 301 753 V1.2.1
- **Safety**:EN 60950-1 (CE), UL 60950 (US), AS/NZS 3260 (Australia/New Zealand)
- **Operating Temperature**: -40 to 55°C (-40 to 131°F)
- **Humidity**: 5% to 95% non-condensing, weather protected (ODU)

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**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)