

Advanced outdoor CPE with a wide frequency range and innovative installation breakthroughs.

Preliminary Data Sheet



BreezeMAX[®] PRO 6000

The BreezeMAX PRO 6000 is an advanced outdoor CPE that uses one cable for both voice and data delivery and LED signal strength indicators for optimal installations.

Overview

BreezeMAX PRO 6000 is a one-box, one-cable WiMAX outdoor CPE unit that delivers voice and data to end users. Designed with extended coverage and high data throughput, the CPE is ideal for delivering voice and data to rural environment, SMBs, prominent residential areas and mobile public safety units. The BreezeMAX PRO 6000 is available in two hardware models that cover the 2.x* and 3.x frequency ranges. The all outdoor CPE is designed to withstand extreme weather and turbulent conditions.

With innovative installation breakthroughs, the BreezeMAX PRO 6000 is quickly installed in existing or new locations. One-box, one-cable solution eliminates messy, time consuming installations. Bright LED signal indicators visually display at a glance the most accurate signal alignment. Also, by plugging the phone into the IDU, the installer uses a second signal strength indicator to complete a quick and efficient installation.

For multiple user support, the optional NGV* will supply additional voice and data ports, including Power over Ethernet (PoE).



Benefits

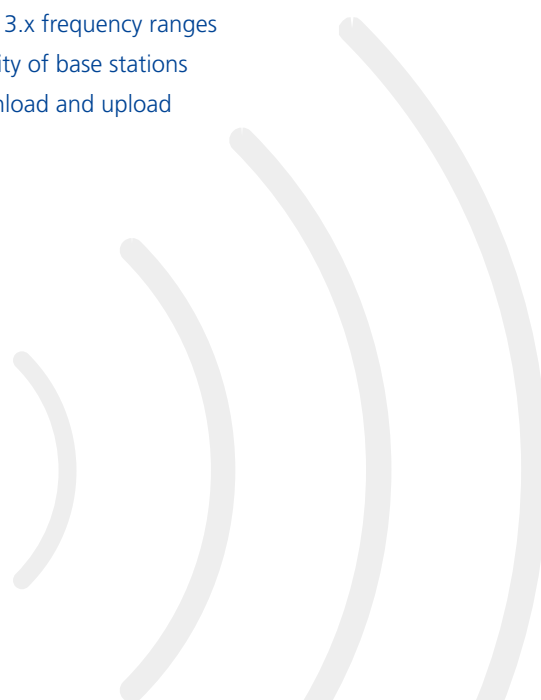
- One-Box, One-cable solution for both voice and data
- Easy installation saving both time and money
- LED signal strength indicator for visual alignment of antenna orientation
- 2 HW models supports 2.x* and 3.x frequency ranges
- High antenna gain reduces density of base stations
- High throughput for faster download and upload



BreezeMAX PRO 6000

General availability Q2 2012

*Road map item



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Specifications

Physical Interface

LAN	1 x 10/100 Base-T port
Telephone	RJ11

WiMAX Features

Standard Compliance	IEEE 802.16e-2005
Duplex Mode	TDD
Frequency Bands	2.x* GHz (2.3 – 2.7GHz), 3.x GHz (3.3 – 3.8GHz)
Channel Bandwidth	5, 7 (3.x GHz only), 10 MHz
Modulation	QPSK, 16QAM, 64QAM
PHY	FFR, MIMO A/B, Beamforming
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

Mechanical Features

Dimensions (HxWxD)	250x250x80 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	VPN	Pass through: IPSec, PPTP, L2TP, PPPoE
Radio	FCC Part 27 EN 302 326, EN 302 544-2 IC - RSS - 192, 197		
Operating Temperature	-40 to +55 C		
Humidity	5% to 95% non condensing		
Other	IP67		

Networking Features

Device Management	Web, TR-069
Firewall	Supported
WAN	DHCP client
Networking	NAT / Multi-Host DSCP Classifications Management DSCP anti spoofing ETH CS/VLAN CS IP CS Bridge Mode DSCP Classification per tagging VLAN and marking 1P Special Application DMZ Host, VLAN tagging +1P marking Per PPPoE DSCP Values
ND&S	Quick scan Frequency range scans (start/Stop, main step) Full band Scan

The complete BreezeMAX PRO 6000 solution includes an outdoor CPE with advanced technology, and an indoor unit with 1 voice and 1 data port. An optional gateway for more voice and data ports, Wi-Fi and POE is available.



One cable input for both voice and data plus LED signal strength indicator for optimal installation.

General availability Q2 2012. Subject to change.

*Road map item

About Alvarion

Alvarion Ltd. (NASDAQ:ALVR) provides optimized wireless broadband solutions addressing the connectivity, coverage and capacity challenges of telecom operators, smart cities, security, and enterprise customers. Our innovative solutions are based on multiple technologies across licensed and unlicensed spectrums. (www.alvarion.com)