



BreezeMAX[®] PRO 6000

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

The BreezeMAX PRO 6000 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 environments, 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. The one-box, one-cable solution eliminates complicated, time-consuming installations. Bright LED signal indicators visually display the most accurate signal alignment at a glance. 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 saves 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

* Road map item

The complete BreezeMAX PRO 6000 solution includes an outdoor CPE with advanced technology, and an indoor unit with one (1) voice and one (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.

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*	2.3-2.7 GHz
3.x GHz	3.3-3.8 GHz
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

* Road map item

Mechanical Features

Dimensions (HxWxD)	250x250x80 mm
Power Source	100-240 VAC, 50-60 Hz

Standards and Regulations

EMC	FCC Part 15B Class B	Operating Temperature	-40° to +55° C	
	ETSI EN 301 489-1/4		Humidity	5% to 95% non condensing
	EN 55022 Class B		Other	IP67
Radio	FCC Part 27			
	EN 302 326, EN 302 544-2			
	IC – RSS – 192, 197			

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
ND&S	PPPoE DSCP Values
	Quick scan
	Frequency range scans (start/Stop, main step)
VPN	Full band Scan
	Pass through:
	IPSec, PPTP, L2TP, PPPoE

About Telrad

Telrad Networks is a global 4G solution provider with hundreds of commercial 4G deployments. Telrad delivers industry-leading network solutions for broadband wireless, LTE-Advanced and WiMAX to telecom operators, enterprises and WISPs worldwide. Telrad Networks is committed to delivering best-of-breed products, service and support to our customers, and is backed by Fortissimo Capital, a group of private equity funds with nearly \$500 million under management.



Contact us at sales@telrad.com

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