

Simply connect
to the world of
Mobile WiMAX™

BreezeMAX® USB 200 WiMAX™ Modem

The BreezeMAX USB 200 WiMAX Modem is part of Alvarion's rich portfolio of end user devices that empower operators with the flexibility to meet subscriber demands and deliver the ultimate personal broadband experience on-the-go.



Simple Plug and Play Connectivity

The BreezeMAX USB 200 WiMAX Modem features a compact, slim form factor and is convenient to carry and connect, easily removing obstacles to deliver always-on, high-speed connectivity. With the BreezeMAX USB 200 WiMAX Modem, subscribers can connect to the Internet via WiMAX networks from any place and at any time, enjoying full Mobile WiMAX services. The field proven, WiMAX standard 802.16e compact wireless modem is designed for plug and play operation with self provisioning capabilities.

Advanced Capabilities and Multi-frequency Support

The BreezeMAX USB 200 WiMAX Modem ensures mature and reliable performance which is further enhanced with support for MIMO technology to deliver high throughput. The BreezeMAX USB 200 is especially designed to enable delivery of mobile voice and data applications that support advanced handoff algorithms at ranges of up to 1 km. The BreezeMAX USB 200 is available for a range of WiMAX frequencies including 2.3, 2.5 and 3.5 GHz.

BreezeMAX USB 200 Highlights

- Designed for WiMAX 802.16e fixed and mobile users
- Frequency coverage: 2.3, 2.5 and 3.5 GHz
- Channel BW: 5/7/10 MHz
- Throughput: 20 Mbps downlink and 5 Mbps uplink
- Two printed antenna, supporting MIMO
- Transmit power: 23 dbm
- Antenna gain: 3-4.4 dBi
- Low power consumption: <2.5W
- Host interface: USB 2.0
- Wireless Connection Manager utility for local management
- Operating system: Windows XP / Vista 32 bit
- Compact form factor: weight 24 g
- Software upgrades are available over the air via HTTP

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



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Specifications

Physical Interfaces

Host interface USB2.0

WiMAX Features

Standard compliant	IEEE 802.16e-2005
Air Interface	Scalable OFDMA
Duplex Mode	TDD/5ms frame
Frequency Band	2.3-2.4 GHz; 2.5-2.7 GHz, 3.4-3.6 GHz
Channel Bandwidth	5,7,10 MHz
Modulation	QPSK, 16QAM, 64QAM
MIMO	MIMO A,B
Transmitting Power	23+/-1dBm@16QAM, 3/4CTC
Receiving Sensitivity	-94dBm @QPSK, ½ CTC, BW 10 MHz, -75dBm@64QAM 5/6CTC , BW 10 MHz
Antenna Type	Two printed antennas
Antenna Gain	3dBi
Encryption	128 bit AES/CCM
Authentication	EAP-TLS (with optional X.509); EAP-TTLS-MSCHAPv2
QoS Mechanism	UGS, RT-VR, NRT-VR, ERT-VR, BE
Hand Over	Hard/ Optimized HO
Power Management	Idle, Sleep, Modes
OS Support	Windows XP/Vista

Networking Features

Local Management	WCM (Wireless Connection Manager)
Remote Configuration	http

Mechanical Features

Dimensions (H x W x D)	90 x 27.8 x 12.8 mm
Weight	24 g
Power Consumption	<2.5w
Operating Temperature	0° to -45°
Humidity	5% to 90% non-condensing

Standards & Regulations

EMI / EMC	FCC Class B, FCC part 15 CCE
RoHS	Compliant

About Alvarion

Alvarion (NASDAQ: ALVR) is the largest WiMAX pure-player with the most extensive WiMAX customer base and over 250 commercial deployments around the globe. Committed to growing the WiMAX market, the company offers solutions for a wide range of frequency bands supporting a variety of business cases. Through its OPEN WiMAX strategy, superior IP and OFDMA know-how, and ability to deploy end-to-end turnkey WiMAX projects, Alvarion is shaping the new wireless broadband experience.