

BreezeACCESS® VL

Seize the Opportunity Today to Offer Broadband Services



As the WiMAX standard gains interest and market share in telecom markets around the globe, prices for frequency licenses are on the rise. But at the same time, alternatives that use the same core technology as WiMAX and operate in license-exempt frequencies are also growing. Delivering broadband data, voice and video services, one such alternative is Alvarion's BreezeACCESS VL. Operating in the 5 GHz bands, ISPs, municipalities, communities, and even private enterprises now have the ability to quickly and inexpensively offer broadband services.

Broadband Empowers Your Operations and Community

Going beyond wireless DSL, BreezeACCESS VL enables municipalities to connect buildings, streamline government functions using online services, and upgrade public safety operations with traffic management and video surveillance. In addition, governments can save costs by implementing voice over IP (VoIP) services, while providing citizens with public broadband in the form of hotspots.



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About Alvarion

With more than 2 million units deployed in 150 countries, Alvarion is the world's leading provider of innovative wireless network solutions enabling personal broadband services to improve lifestyles and productivity with portable and mobile data, VoIP, video and other applications. Providing systems to carriers, ISPs and private network operators, the company also supplies solutions to extend coverage of GSM networks to developing countries and other hard to serve areas.

Leading the WiMAX revolution, Alvarion has the most extensive deployments and proven product portfolio in the industry covering the full range of frequency bands with both fixed and mobile solutions. Alvarion's products enable the delivery of business and residential broadband access, corporate VPNs, toll quality telephony, mobile base station feeding, hotspot coverage extension, community interconnection, public safety communications, and mobile voice and data. Alvarion works with several global OEM providers and more than 200 local partners to support its diverse global customer base in solving their last-mile challenges.

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Cost Effective, Carrier-class Broadband

BreezeACCESS VL leverages the core OFDM technology of WiMAX to support advanced non-line-of-sight (NLOS) capabilities over an extended coverage area. It also cuts costs by enabling cost-effective, rapid deployment, while having quality-of-service (QoS) to support any combination of data, voice and video services.

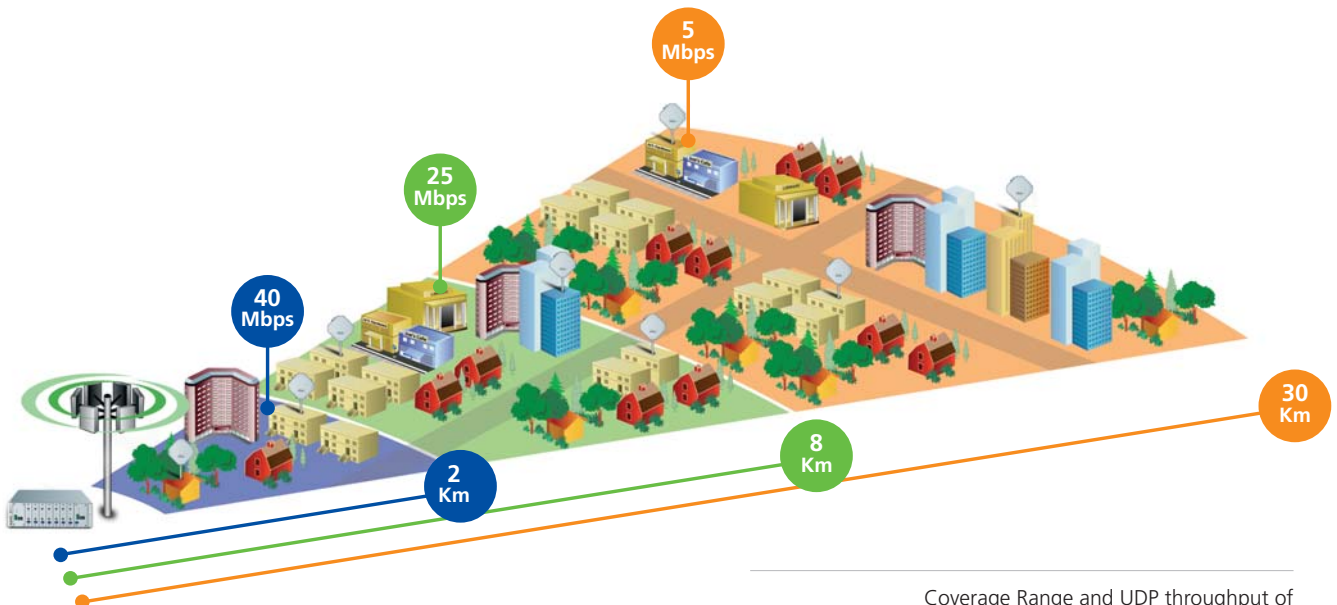
And BreezeACCESS VL is automated at every stage of deployment and operation, smartly minimizing interference effects to establish and maintain consistently clear connections. Covering large distances with its extended coverage area and providing throughputs of up to 40 Mbps, the BreezeACCESS VL saves infrastructure costs while providing a profitable business model to broadband service providers.



BreezeACCESS VL Family

Unique Benefits of BreezeACCESS VL

- Extremely fast deployment using signal strength LEDs for antenna alignment
- Automatic installation features that select the data rate and transmit power according to environmental conditions and immediately adapt to future changes in terrain
- Field proven non-line-of-sight WiMAX technology (OFDM)
- Carrier-class network management system, supporting remote monitoring and centralized over-the-air upgrades of subscriber units
- Licensed-quality features for maximum interference reduction
- Advanced security encryption
- Long-term investment protection with support for future versions and co-location with WiMAX networks



Coverage Range and UDP throughput of BreezeACCESS VL under FCC regulations

Customer Successes

HiFreak



Location: Germany

Product: BreezeACCESS VL, with BreezeNET® B for backhaul

End Users: Residents in rural and urban areas and university students and administrators where ADSL is not available.

Business model: Local ISP installs a BreezeACCESS VL network to provide broadband to the rural area of Marburg, nearby university campus buildings, and local residents and businesses in cooperation with local municipality which provided partial financing.



City of
Scottsburg



Location: USA

Product: BreezeACCESS VL

End Users: Businesses, homes, schools, government offices and police force with no affordable Internet access option.

Business model: Wireless network to provide access played a critical role in the economic stability and growth of the community. Total community coverage (about 50 square miles) achieved for under \$400K (fiber quotes exceeded \$6M) Over \$16K / month saved in access fees for the schools alone. Mobile access provided for the city police to provide access to important crime databases and the ability to send and receive reports and updates while remaining in the field.



City of
Johannesburg



Location: South Africa

Product: BreezeACCESS VL

End Users: 600 government buildings

Business model: Municipality deploys BreezeACCESS VL network to provide more capacity to an increasing number of municipal buildings

