# **BreezeACCESS® VL SU-I**

Indoor Subscriber Unit for the Unlicensed Band

## **Product Highlights**

- Fast and simple installation with low operational costs
- Triple play services, up to 6 Mbps throughput
- OFDM non-line-of-sight (NLOS) technology
- High gain 15 dBi antenna, window and wall mounting options
- Collocate with existing BreezeACCESS VL networks
- Available in both 5.4 and 5.8 GHz bands

Alvarion's BreezeACCESS VL SU-I, an indoor subscriber unit, is designed to complement the industry-leading BreezeACCESS VL broadband wireless access system. Carriers, WISPs, enterprises and other service providers can now enjoy the reduced installation costs of an indoor solution.

Leveraging Alvarion's advanced radio and digital technologies, BreezeACCESS VL SU-I includes a fully featured radio in a compact packaging for improved economics of indoor subscriber unit.

The BreezeACCESS VL SU-I uses an easy-to-install, compact antenna to be mounted out of the window for clear reception and high transmission quality. Combined with the built-in LEDs for fast antenna alignment, the unit's intuitive and straightforward enables simple and quick installation for end users resulting in lower service initiation costs for carriers and higher-user satisfaction.

As part of the BreezeACCESS family, the BreezeACCESS VL SU-I supports data, voice and multimedia services enabling:

- Reduced installation cost and time
- Compact design for indoor use
- Robust advanced OFDM technologies
- Broadband throughput up to 6 Mbps upload and 4 Mbps download



















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# **Specifications**

Radio     Frequency   5.725-5.850 GHz, 5.47-5.725 GHz     Radio type   OFDM, TDD     Channel bandwidth   10 and 20 MHz channels option     Center frequency resolution   5 MHz     Output power (at antenna port)   21dBm     Modulation   BPSK, QPSK, 16QAM, 64QAM     Sensitivity, typical   Modulation level 1   2   3   4   5   6   7   8     (dBm at antenna port)   20 MHz Channel -89   -88   -86   -84   -81   -77   -73   -7     * Modulation Level combines modulation scheme and cod     Window Antenna   15dBi, 55° horizontal x 12° vertical, flat.   -			
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Indicators Power Link			
Link			
	Link		
Ethernet			
SNR 10 LEDs bar indicator			
Connectors: Data RJ-45			
DC Power 48V @ 0.5A	DC Power 48V @ 0.5A		
Antenna connector			
SMA Female, 50 Ohm			
Physical and Environmental			
Dimensions 200 x 118 x 30 mm, 860 g			
Operating temperature Indoor unit 0°C to 40°C			
Operating humidity 5%-95% non condensing			

#### **Standards and Regulations**

Radio	FCC part 15, ETSI: EN 301 753, EN 301 893 (1.3.1), EN
	300440-1/2
EMC	FCC part 15 class B, ETSI EN 301 489-1
Safety	UL 60950-1, EN 60950-1
Lightning protection	EN 61000-4-5, Class 3 (2kV)
Environmental Operation	ETS 300 019 part 2-3 class 3.2E for indoor unit
Transportation	ETS 300 019-2-2 class 2.3
Storage	ETS 300 019-2-1 class 1.2E

Note: Not all options are available in all regions. Please contact your local representative for further information.