

# BreezeACCESS® VL SU-I

All-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



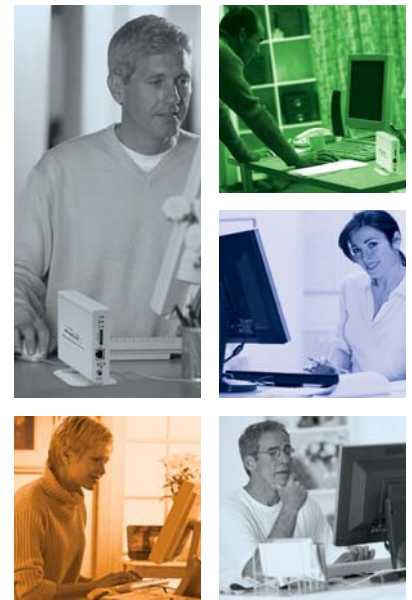
The BreezeACCESS VL SU-I is a new, all-indoor subscriber unit designed to complement Alvarion's industry-leading BreezeACCESS VL broadband wireless access system. Carriers, mobile operators, ISPs, enterprises and other service providers with BreezeACCESS VL networks enjoy reduced installation costs and seamless integration when adding the SU-I to their portfolio of customer premises equipment (CPEs).

Leveraging the advanced radio and digital technologies of the BreezeACCESS VL, the SU-I has the improved economics of an all-indoor subscriber unit. With the full complement of features of other BreezeACCESS VL CPEs, the SU-I uses a simple window antenna to ensure clear reception and high transmission quality.

As a result, the SU-I is easy to install and configure in a room at home or at the office. Its intuitive and straightforward installation using built-in LEDs means that it can be installed and maintained by end users, resulting in lower service initiation costs for carriers and higher user satisfaction.

As a part of the BreezeACCESS family, the SU-I supports data, voice and multimedia services with the following benefits to the carrier and end user:

- Reduced installation time and expenses
- Compact and aesthetically pleasing design for indoor use
- Easy installation with an LED bar for reception optimization
- Robustness for the long term using advanced OFDM technologies
- Broadband throughput up to 6 Mbps
- Full functionality in foliage dense areas due to advanced NLOS technology



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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)	Up to 21 dBm (dependent upon regulation)								
Modulation	BPSK, QPSK, 16QAM, 64QAM								
Sensitivity, typical (dBm at antenna port)	Modulation level	1	2	3	4	5	6	7	8
	20 MHz Channel	-89	-88	-86	-84	-81	-77	-73	-71
	* Modulation Level combines modulation scheme and coding gain.								
Window Antenna	15dBi, 55° horizontal x 12° vertical, flat.								
Antenna port	SMA Female, 50 Ohm								

### Data Communication

Standard compliance	IEEE 802.3 CSMA/CD
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### Management

SNMP	configuration utility and ALVARISTAR NMS SNMP agent SNMP V1 Client, MIB II, Bridge MIB,
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### Electrical Characteristics

Power consumption	13 W
Input power	AC, 100-240 VAC, 50-60 Hz
Indicators	Power
	Link
	Ethernet
	SNR 10 LEDs bar indicator
Connectors:	Data RJ-45
	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
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.