

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



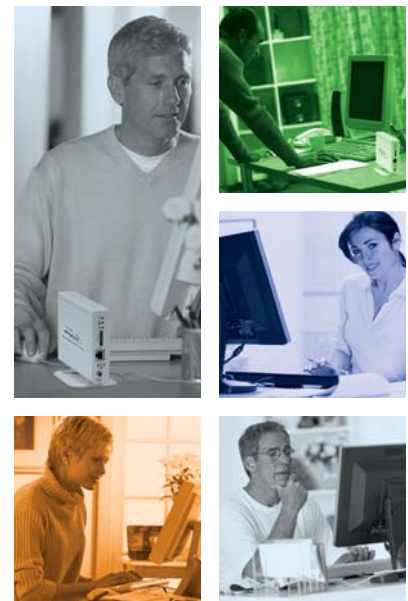
Alvarion's BreezeACCESS VL SU-I, an indoor subscriber unit, is designed to complement the industry-leading BreezeACCESS VL broadband wireless access system. Carriers, WISPs, enterprises and other service providers can now enjoy the reduced installation costs of an indoor solution.

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 is intuitive and straightforward and enables simple and quick installation by the subscriber. This results 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 and advanced OFDM technologies
- Broadband throughput up to 6 Mbps upload and 4 Mbps download



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www.alvarion.com/company/locations



www.alvarion.com

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 (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.