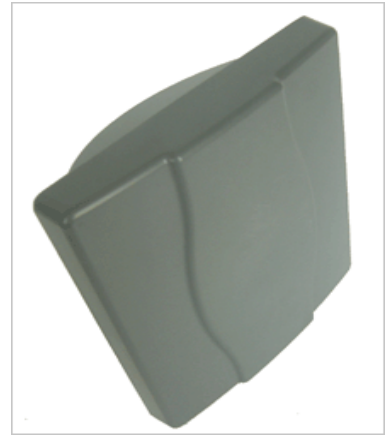


OSBRIDGE 900XL Outdoor CPE/Bridge



Interface														
Ethernet Interface		100 base-T Ethernet (RJ-45) with PoE												
Wired LAN Protocol		IEEE 802.3 (CSMA/CD)												
Wireless Interface		N Female Connector for external 50Ω Antenna												
Wireless LAN Protocol		User Configurable - IEEE 802.11 or WPM (Wireless Polling MAC)												
Radio														
Supported Frequencies		20 MHz Channel		912 MHz, 917 MHz										
		10 MHz Channel		907 MHz, 912 MHz, 917 MHz, 922 MHz										
		5 MHz Channel		907 MHz, 912 MHz, 917 MHz, 922 MHz										
Modulation Technique		BPSK, QPSK, 16QAM, 64QAM												
Bit Error Rate (BER)		Better than 10 ⁻⁵												
Output Power		User Selectable: +28dBm, +25dBm, +22dBm, +19dBm												
Bit Data Rate (Mbps)	20 MHz Channel	54	48	36	24	18	12	11	9	6	5.5	2	1	
	10 MHz Channel	27	24	18	12	9	6	5.5	4.5	3	2.75	1	0.5	
	5 MHz Channel	13.5	12	9	6	4.5	3	2.75	2.25	1.5	1.37	0.5	0.25	
Typical Receive Threshold (dBm)		-71	-74	-83	-83	-87	-88	-90	-91	-88	-91	-92	-93	
System														
Processor		175MHz MIPS 4Kc Processor with Embedded Cache												
Memory		2MB NOR FLASH, 16MB SDRAM												
RF Module		Ubiquiti SR9, Atheros AR5004												
Software														
Operational Modes		Point to Point Bridge, Access Point Client, WPM Client												
Security		Association Protocol – ESSID/BSSID, WEP 40/128, TKIP, AES												
Features		Bridge, Router, NAT Router, Firewall, QOS												
Management		WEB Interface, SNMPv2, CLI												
Physical														
Dimensions		180 mm X 250 mm X 125 mm												
Operating / Storage Temperature		-40°C - +60°C / -40°C - +85°C												
Enclosure		IP65 Rated, UV Protected, Outdoor Mountable, Weather Protected												
Power Adapter		15V / 2A DC, Active Ethernet (Power over Ethernet injector included)												
LEDs		3 – Power, Ethernet LAN Activity, Wireless Activity												
Mounting		Adjustable Mast Mounting												
Antenna														
		N Female Connector for external antenna (50Ω)												
Operational Distance														
Bit Data Rate (Mbps, 20 MHz channel)		54	48	36	24	18	12	11	9	6	5.5	2	1	
Distance (miles, 11dBi antenna on each end) ¹⁾		5	7	13	18	29	33	36	41	45	37	51	63	
Throughput														
Channel Width		20 MHz				10 MHz				5 MHz				
Measured TCP/IP Throughput ²⁾		21 Mbps				11 Mbps				6 Mbps				
Regulatory Compliance														
		FCC Part 15 Compliant												
Warranty														
		One year, Limited												

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¹⁾ Distance may vary depending on several factors including interference, obstacles and fresnel zone clearance.

²⁾ Actual throughput may vary depending on several factors including signal strength, interference, obstacles and fresnel zone clearance.