

AirGrid M2: Revolutionary 2.4GHz CPE Technology

InnerFeed
antenna technology

airMAX
MIMO TDMA Protocol



17x24, 20dBi Antenna



11x14, 16dBi Antenna



SYSTEM INFORMATION							
Processor Specs		Atheros MIPS 24KC, 400MHZ					
Memory Information		32MB SDRAM, 8MB Flash					
Networking Interface		1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface					
REGULATORY / COMPLIANCE INFORMATION							
Wireless Approvals		FCC Part 15.247, IC RS210, CE					
RoHS Compliance		YES					
OPERATING FREQUENCY 2412MHZ-2462MHZ							
TX POWER SPECIFICATIONS				RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
11g	1-24Mbps	20 dBm	+/-2dB	11g	1-24Mbps	-97 dBm min.	+/-2dB
	36Mbps	19 dBm	+/-2dB		36Mbps	-80 dBm	+/-2dB
	48Mbps	18 dBm	+/-2dB		48Mbps	-77 dBm	+/-2dB
	54Mbps	16 dBm	+/-2dB		54Mbps	-75 dBm	+/-2dB
Airmax 11n	MCS0	20 dBm	+/-2dB	Airmax11n	MCS0	-96 dBm	+/-2dB
	MCS1	20 dBm	+/-2dB		MCS1	-95 dBm	+/-2dB
	MCS2	20 dBm	+/-2dB		MCS2	-92 dBm	+/-2dB
	MCS3	20 dBm	+/-2dB		MCS3	-90 dBm	+/-2dB
	MCS4	19 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	17 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	16 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	15 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size		16cm length x 8cm width x 3cm height					
Weight		0.5 kg					
Enclosure Characteristics		Outdoor UV Stabilized Plastic					
Mounting Kit		Pole Mounting Kit included					
Max Power Consumption		3.5 Watts					
Power Supply		5V USB+POE Adapter Included					
Power Method		Passive Power over Ethernet (pairs 4,5+; 7,8 return)					
Operating Temperature		-30C to 75C					
Operating Humidity		5 to 95% Condensing					
Shock and Vibration		ETSI300-019-1.4					