

AirGrid M5: Revolutionary 5GHz CPE Technology

InnerFeed
antenna technology

airMAX
MIMO TDMA Protocol



17x24", 27dBi Antenna



11x14", 23dBi 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 5475MHz-5825MHz							
5GHz TX POWER SPECIFICATIONS				5GHz RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
11a	1-24Mbps	20 dBm	+/-2dB	11a	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
5GHz 11n	MCS0	20 dBm	+/-2dB	5GHz 11n	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							
Weight				0.2kg (feed), .65kg(mount), .8kg (11x14" reflector), 1.9kg (17x24" reflector)			
Enclosure Characteristics				Outdoor UV Stabilized Plastic			
Mounting Kit				Pole Mounting Kit included			
Max Power Consumption				3.0 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			
ANTENNA INFORMATION							
Elevation		11x14 23dBi		Elevation		17x24 27dBi	
Azimuth				Azimuth			