

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			
11a	DataRate	Avg. TX	Tolerance
	1-24Mbps	20 dBm	+/-2dB
	36Mbps	19 dBm	+/-2dB
	48Mbps	18 dBm	+/-2dB
	54Mbps	16 dBm	+/-2dB
5GHz 11n	MCS0	20 dBm	+/-2dB
	MCS1	20 dBm	+/-2dB
	MCS2	20 dBm	+/-2dB
	MCS3	20 dBm	+/-2dB
	MCS4	19 dBm	+/-2dB
	MCS5	17 dBm	+/-2dB
	MCS6	16 dBm	+/-2dB
	MCS7	15 dBm	+/-2dB
5GHz RX SPECIFICATIONS			
11a	DataRate	Sensitivity	Tolerance
	1-24Mbps	-97 dBm min.	+/-2dB
	36Mbps	-80 dBm	+/-2dB
	48Mbps	-77 dBm	+/-2dB
	54Mbps	-75 dBm	+/-2dB
5GHz 11n	MCS0	-96 dBm	+/-2dB
	MCS1	-95 dBm	+/-2dB
	MCS2	-92 dBm	+/-2dB
	MCS3	-90 dBm	+/-2dB
	MCS4	-86 dBm	+/-2dB
	MCS5	-83 dBm	+/-2dB
	MCS6	-77 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 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	
Power Supply		5V USB+POE Adapter Included	
Included USB+POE adapter requires host system USB port and supports maximum 20M ethernet cable legnth. For more flexibility, use AirGrid POE (sold separately)			
ANTENNA INFORMATION			
11x14 23dBi		17x24 27dBi	
Elevation	Azimuth	Elevation	Azimuth
			