

AirGrid M5: Revolutionary 5GHz CPE Technology

InnerFeed
antenna technology

airMAX
MIMO TDMA Protocol



17x24, 28dBi 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

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