

## AirGrid M2: Revolutionary 2.4GHz CPE Technology

**InnerFeed**  
antenna technology

**airMAX**  
MIMO TDMA Protocol



17"x24", 20dBi Antenna



11"x14", 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
<b>11g</b>	1-24Mbps	20 dBm	+/-2dB	<b>11g</b>	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
<b>Airmax 11n</b>	MCS0	20 dBm	+/-2dB	<b>Airmax11n</b>	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 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 length. For more flexibility, use AirGrid POE (sold separately)							
ANTENNA INFORMATION							
Elevation		Azimuth		Elevation		Azimuth	
<b>11x14 16dBi</b>		<b>11x14 16dBi</b>		<b>17x24 20dBi</b>		<b>17x24 20dBi</b>	