

## 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			
	DataRate	Avg. TX	Tolerance
<b>11g</b>	1-24Mbps	20 dBm	+/-2dB
	36Mbps	19 dBm	+/-2dB
	48Mbps	18 dBm	+/-2dB
	54Mbps	16 dBm	+/-2dB
<b>Airmax 11n</b>	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
RX SPECIFICATIONS			
	DataRate	Sensitivity	Tolerance
<b>11g</b>	1-24Mbps	-97 dBm min.	+/-2dB
	36Mbps	-80 dBm	+/-2dB
	48Mbps	-77 dBm	+/-2dB
	54Mbps	-75 dBm	+/-2dB
<b>Airmax11n</b>	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 24v POE requires host system USB port and supports maximum 20M ethernet cable length. For more flexibility, use AirGrid POE (sold separately)			
ANTENNA INFORMATION			
Elevation <b>11x14 16dBi</b>		Azimuth	
Elevation <b>17x24 20dBi</b>		Azimuth	