



# M2D

OEM Users Guide



*air***MAX**

PATENT PENDING

Default IP: 192.168.1.20  
username: ubnt password: ubnt

# TECH SPECS

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>11n / AirMax</b>	MCS0	23 dBm	+/-2dB	<b>11n / Airmax</b>	MCS0	-94 dBm	+/-2dB
	MCS1	23 dBm	+/-2dB		MCS1	-93 dBm	+/-2dB
	MCS2	23 dBm	+/-2dB		MCS2	-90 dBm	+/-2dB
	MCS3	23 dBm	+/-2dB		MCS3	-89 dBm	+/-2dB
	MCS4	22 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	20 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	19 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	18 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
	MCS8	23 dBm	+/-2dB		MCS8	-93 dBm	+/-2dB
	MCS9	23 dBm	+/-2dB		MCS9	-91 dBm	+/-2dB
	MCS10	23 dBm	+/-2dB		MCS10	-89 dBm	+/-2dB
	MCS11	23 dBm	+/-2dB		MCS11	-87 dBm	+/-2dB
	MCS12	22 dBm	+/-2dB		MCS12	-84 dBm	+/-2dB
	MCS13	20 dBm	+/-2dB		MCS13	-79 dBm	+/-2dB
	MCS14	19 dBm	+/-2dB		MCS14	-78 dBm	+/-2dB
MCS15	18 dBm	+/-2dB	MCS15	-75 dBm	+/-2dB		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size	241x400x400 mm						
Weight	135g (feed), 680g(bracket),750g(dish)						
Enclosure Characteristics	Outdoor UV Stabilized Plastic						
Mounting Kit	Pole Mounting Kit included						
Max Power Consumption	5.5 Watts						
Power Supply	24V Carrier POE Adapter Included (POE-24)						
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 Gain	17dBi						

# COMPLIANCE INFORMATION

## FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The antennas used for this transmitter must be installed to provide a separation distance of at least following from all users:

20cm

## INDUSTRY CANADA

This Class A digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

The device has been designed to operate with the antennas listed below and having a maximum gain of 25dBi. Antennas not included in this list or having a gain greater than 20dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms.

This device must be professionally installed and is designed strictly for outdoor point-to-point wireless links.