

## NanoBridge M2: World's First Cost-Effective 2.4GHz MIMO Bridging Solution

**InnerFeed**  
antenna technology

**airMAX**  
MIMO TDMA Protocol



### 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	18dBi

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