

NanoBridge M5: World's First Cost-Effective 5GHz MIMO Bridging Solution

InnerFeed
antenna technology

airMAX
MIMO TDMA Protocol

2 MODELS

- NBM5-22 (22dBi Antenna)
- NBM5-25 (25dBi 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 5470MHz-5825MHz

TX POWER SPECIFICATIONS				RX SPECIFICATIONS				
AirMax / 11n	DataRate	Avg. TX	Tolerance	AirMax / 11n	DataRate	Sensitivity	Tolerance	
	MCS0	23 dBm	+/-2dB			MCS0	-96 dBm	+/-2dB
	MCS1	23 dBm	+/-2dB			MCS1	-95 dBm	+/-2dB
	MCS2	23 dBm	+/-2dB			MCS2	-92 dBm	+/-2dB
	MCS3	23 dBm	+/-2dB			MCS3	-90 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	-95 dBm	+/-2dB
	MCS9	23 dBm	+/-2dB			MCS9	-93 dBm	+/-2dB
	MCS10	23 dBm	+/-2dB			MCS10	-90 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

Dimensions	326mm diameter (22dBi) or 420mm diameter (25dBi)
Weight	135g (feed), 680g(bracket),750g(dish)
Enclosure Characteristics	Outdoor UV Rated 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	22dBi or 25dBi

ANTENNA DATA

