

NanoBridge M5: World's First Cost-Effective 5GHz 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 5470MHz-5825MHz

5GHz TX POWER SPECIFICATIONS				5GHz RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
5GHz 11n	MCS0	23 dBm	+/-2dB	5GHz 11n	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

Enclosure Size	16cm length x 8cm width x 3cm height
Weight	0.5 kg
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	22dBi