

NanoStation M2: 2.4GHz Hi Power 2x2 MIMO AirMax TDMA Station

The Most Powerful NanoStation Ever.



SYSTEM INFORMATION							
Processor Specs	Atheros MIPS 24KC, 400MHz						
Memory Information	32MB SDRAM, 8MB Flash						
Networking Interface	2 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				
11b/g	DataRate	Avg. TX	Tolerance	11b/g	DataRate	Sensitivity	Tolerance
	1-24Mbps	28 dBm	+/-2dB		1-24Mbps	-97 dBm min	+/-2dB
	36Mbps	26 dBm	+/-2dB		36Mbps	-80 dBm	+/-2dB
	48Mbps	25 dBm	+/-2dB		48Mbps	-77 dBm	+/-2dB
11n / Airmax	54Mbps	24 dBm	+/-2dB	54Mbps	-75 dBm	+/-2dB	
	MCS0	28 dBm	+/-2dB	MCS0	-96 dBm	+/-2dB	
	MCS1	28 dBm	+/-2dB	MCS1	-95 dBm	+/-2dB	
	MCS2	28 dBm	+/-2dB	MCS2	-92 dBm	+/-2dB	
	MCS3	28 dBm	+/-2dB	MCS3	-90 dBm	+/-2dB	
	MCS4	27 dBm	+/-2dB	MCS4	-86 dBm	+/-2dB	
	MCS5	25 dBm	+/-2dB	MCS5	-83 dBm	+/-2dB	
	MCS6	23 dBm	+/-2dB	MCS6	-77 dBm	+/-2dB	
	MCS7	22 dBm	+/-2dB	MCS7	-74 dBm	+/-2dB	
	MCS8	28 dBm	+/-2dB	MCS8	-95 dBm	+/-2dB	
	MCS9	28 dBm	+/-2dB	MCS9	-93 dBm	+/-2dB	
	MCS10	28 dBm	+/-2dB	MCS10	-90 dBm	+/-2dB	
	MCS11	28 dBm	+/-2dB	MCS11	-87 dBm	+/-2dB	
	MCS12	27 dBm	+/-2dB	MCS12	-84 dBm	+/-2dB	
	MCS13	25 dBm	+/-2dB	MCS13	-79 dBm	+/-2dB	
MCS14	23 dBm	+/-2dB	MCS14	-78 dBm	+/-2dB		
MCS15	22 dBm	+/-2dB	MCS15	-75 dBm	+/-2dB		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size	29.4 cm x 8 cm x 3cm						
Weight	0.4kg						
Enclosure Characteristics	Outdoor UV Stabilized Plastic						
Mounting Kit	Pole Mounting Kit included						
Max Power Consumption	8 Watts						
Power Supply	24V, 0.5A surge protection integrated POE adapter included						
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)						
Operating Temperature	-30C to +80C						
Operating Humidity	5 to 95% Condensing						
Shock and Vibration	ETSI300-019-1.4						
INTEGRATED 2x2 MIMO ANTENNA							
Frequency Range	2.32-2.55 GHz	Max VSWR	1.6:1				
Gain	10.4-11.2 dBi	H-pol Beamwidth	55 deg.				
Polarization	Dual Linear	V-pol Beamwidth	53 deg.				
Cross-pol Isolation	23dB minimum	Elevation Beamwidth	27 deg.				
VSWR	H-Pol Azimuth	H-Pol Elevation	V-Pol Azimuth	V-Pol Elevation			