

NanoStation M5: 5GHz Hi Power 2x2 MIMO AirMax TDMA Station

The Most Powerful NanoStation Ever.

airMAX
MIMO TDMA Protocol



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 5470MHz-5825MHz				
5GHz TX POWER SPECIFICATIONS				
	DataRate	Avg. TX	Tolerance	
11a	6-24Mbps	27 dBm	+/-2dB	
	36Mbps	25 dBm	+/-2dB	
	48Mbps	23 dBm	+/-2dB	
	54Mbps	22 dBm	+/-2dB	
5GHz 11n	MCS0	27 dBm	+/-2dB	
	MCS1	27 dBm	+/-2dB	
	MCS2	27 dBm	+/-2dB	
	MCS3	27 dBm	+/-2dB	
	MCS4	26 dBm	+/-2dB	
	MCS5	24 dBm	+/-2dB	
	MCS6	22 dBm	+/-2dB	
	MCS7	21 dBm	+/-2dB	
	MCS8	27 dBm	+/-2dB	
	MCS9	27 dBm	+/-2dB	
	MCS10	27 dBm	+/-2dB	
	MCS11	27 dBm	+/-2dB	
	MCS12	26 dBm	+/-2dB	
	MCS13	24 dBm	+/-2dB	
	MCS14	22 dBm	+/-2dB	
MCS15	21 dBm	+/-2dB		
5GHz RX SPECIFICATIONS				
	DataRate	Sensitivity	Tolerance	
11a	6-24Mbps	-94 dBm min.	+/-2dB	
	36Mbps	-80 dBm	+/-2dB	
	48Mbps	-77 dBm	+/-2dB	
	54Mbps	-75 dBm	+/-2dB	
5GHz 11n	MCS0	-96 dBm	+/-2dB	
	MCS1	-95 dBm	+/-2dB	
	MCS2	-92 dBm	+/-2dB	
	MCS3	-90 dBm	+/-2dB	
	MCS4	-86 dBm	+/-2dB	
	MCS5	-83 dBm	+/-2dB	
	MCS6	-77 dBm	+/-2dB	
	MCS7	-74 dBm	+/-2dB	
	MCS8	-95 dBm	+/-2dB	
	MCS9	-93 dBm	+/-2dB	
	MCS10	-90 dBm	+/-2dB	
	MCS11	-87 dBm	+/-2dB	
	MCS12	-84 dBm	+/-2dB	
	MCS13	-79 dBm	+/-2dB	
	MCS14	-78 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	15V, 0.8A 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	4.9-5.9 GHz	Max VSWR	1.6:1	
Gain	14.6-16.1dBi	H-pol Beamwidth	43 deg.	
Polarization	Dual Linear	V-pol Beamwidth	41 deg.	
Cross-pol Isolation	22dB minimum	Elevation Beamwidth	15 deg.	
VSWR	H-Pol Azimuth	H-Pol Elevation	V-Pol Azimuth	V-Pol Elevation

802.11n / Airmax Support Only at this Time. 802.11a support expected with AirOS 5.1 Release by end of Year