

NanoStation M3: 3.3-3.7GHz 2x2 MIMO AirMax TDMA Station

3.3-3.7GHz Carrier Class Performance



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			
RoHS Compliance	YES		
OPERATING FREQUENCY 3300MHz-3700MHz			
TX POWER SPECIFICATIONS		RX SPECIFICATIONS	
	DataRate	Avg. TX	Tolerance
AirMax	MCS0	25 dBm	+/-2dB
	MCS1	25 dBm	+/-2dB
	MCS2	25 dBm	+/-2dB
	MCS3	25 dBm	+/-2dB
	MCS4	24 dBm	+/-2dB
	MCS5	23 dBm	+/-2dB
	MCS6	22 dBm	+/-2dB
	MCS7	20 dBm	+/-2dB
	MCS8	25 dBm	+/-2dB
	MCS9	25 dBm	+/-2dB
	MCS10	25 dBm	+/-2dB
	MCS11	25 dBm	+/-2dB
	MCS12	24 dBm	+/-2dB
	MCS13	23 dBm	+/-2dB
	MCS14	22 dBm	+/-2dB
MCS15	20 dBm	+/-2dB	
	DataRate	Sensitivity	Tolerance
Airmax	MCS0	-94 dBm	+/-2dB
	MCS1	-93 dBm	+/-2dB
	MCS2	-90 dBm	+/-2dB
	MCS3	-89 dBm	+/-2dB
	MCS4	-86 dBm	+/-2dB
	MCS5	-83 dBm	+/-2dB
	MCS6	-77 dBm	+/-2dB
	MCS7	-74 dBm	+/-2dB
	MCS8	-93 dBm	+/-2dB
	MCS9	-91 dBm	+/-2dB
	MCS10	-89 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 3 cm		
Weight	0.5 kg		
Enclosure Characteristics	Outdoor UV Stabilized Plastic		
Mounting Kit	Pole Mounting Kit included		
Max Power Consumption	8 Watts		
Power Supply	24V, 1A POE Supply Included		
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		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL			
Enclosure Size	29.4 cm x 8 cm x 3 cm		
Weight	0.5 kg		
Enclosure Characteristics	Outdoor UV Stabilized Plastic		
Mounting Kit	Pole Mounting Kit included		
INTEGRATED DUAL-POLARITY ANTENNA			
Frequency Range	3.3-3.7GHz	Max VSWR	1.4:1
Gain	12.2-13.7 dBi	H-pol Beamwidth	60 deg.
Polarization	Dual Linear	V-pol Beamwidth	60 deg.
Cross-pol Isolation	28dB minimum	Elevation Beamwidth	20 deg.
			