

NanoStation M365: 3.65GHz 2x2 MIMO AirMax TDMA Station

3.65GHz Carrier Class Performance



MIMO TDMA Protocol

SYSTEM INFORMATION							
Processor Specs	Atheros MIPS 24KC, 400MHz						
Memory Information	324MB SDRAM, 8MB Flash						
Networking Interface	2 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface						
REGULATORY / COMPLIANCE INFORMATION							
Wireless Approvals	FCC Part 90Y						
RoHS Compliance	YES						
OPERATING FREQUENCY 3650MHz-3675MHz							
TX POWER SPECIFICATIONS			RX SPECIFICATIONS				
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
AirMax	MCS0	25 dBm	+/-2dB	Airmax	MCS0	-94 dBm	+/-2dB
	MCS1	25 dBm	+/-2dB		MCS1	-93 dBm	+/-2dB
	MCS2	25 dBm	+/-2dB		MCS2	-90 dBm	+/-2dB
	MCS3	25 dBm	+/-2dB		MCS3	-89 dBm	+/-2dB
	MCS4	24 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	23 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	22 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	20 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
	MCS8	25 dBm	+/-2dB		MCS8	-93 dBm	+/-2dB
	MCS9	25 dBm	+/-2dB		MCS9	-91 dBm	+/-2dB
	MCS10	25 dBm	+/-2dB		MCS10	-89 dBm	+/-2dB
	MCS11	25 dBm	+/-2dB		MCS11	-87 dBm	+/-2dB
	MCS12	24 dBm	+/-2dB		MCS12	-84 dBm	+/-2dB
	MCS13	23 dBm	+/-2dB		MCS13	-79 dBm	+/-2dB
	MCS14	22 dBm	+/-2dB		MCS14	-78 dBm	+/-2dB
MCS15	20 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	3.3-3.8GHz	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.				
VSWR	H-Pol Azimuth	H-Pol Elevation	V-Pol Azimuth	V-Pol Elevation			