

NanoStation M900 Loco: Compact 900MHz 2x2 MIMO AirMax TDMA Station



BREAKTHROUGH 900MHz PERFORMANCE
20Mbps+ Real TCP/IP Throughput in 5MHz Channel

airMAX

MIMO TDMA Protocol

SYSTEM INFORMATION							
Processor Specs		Atheros MIPS 24KC, 400MHz					
Memory Information		64MB 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					
RoHS Compliance		YES					
OPERATING FREQUENCY 902-928 MHz							
airMAX	MCS0	26 dBm	+/-2dB	airMAX	MCS0	-96 dBm	+/-2dB
	MCS1	26 dBm	+/-2dB		MCS1	-95 dBm	+/-2dB
	MCS2	26 dBm	+/-2dB		MCS2	-92 dBm	+/-2dB
	MCS3	26 dBm	+/-2dB		MCS3	-90 dBm	+/-2dB
	MCS4	26 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	24 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	22 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	21 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
	MCS8	26 dBm	+/-2dB		MCS8	-95 dBm	+/-2dB
	MCS9	26 dBm	+/-2dB		MCS9	-93 dBm	+/-2dB
	MCS10	26 dBm	+/-2dB		MCS10	-90 dBm	+/-2dB
	MCS11	26 dBm	+/-2dB		MCS11	-87 dBm	+/-2dB
	MCS12	26 dBm	+/-2dB		MCS12	-84 dBm	+/-2dB
	MCS13	24 dBm	+/-2dB		MCS13	-79 dBm	+/-2dB
	MCS14	22 dBm	+/-2dB		MCS14	-78 dBm	+/-2dB
MCS15	21 dBm	+/-2dB	MCS15	-75 dBm	+/-2dB		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size		164mm length x 199mm width x 72cm height					
Weight		0.9 kg					
RF Connector		External SMA					
Enclosure Characteristics		Outdoor UV Stabilized Plastic					
Mounting Kit		Pole Mounting Kit included					
Max Power Consumption		6.5 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					
INTEGRATED 2x2 MIMO ANTENNA (There is also an external RP-SMA connector for external higher gain antenna)							
Frequency Range		902-928MHz		Max VSWR		1.3:1	
Gain		7.5 dBi		H-pol Beamwidth		60 deg.	
Polarization		Dual Linear		V-pol Beamwidth		60 deg.	
Cross-pol Isolation		28dB minimum		Elevation Beamwidth		60 deg.	
VSWR		H-Pol Azimuth		H-Pol Elevation		V-Pol Azimuth	
						V-Pol Elevation	