



LiteStation - M25

48V 802.3af 2x2 MIMO 802.11n
Industrial Wireless Platform

SYSTEM INFORMATION

Processor Specs	Atheros MIPS 24KC, 400MHz
Memory Information	32MB 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, CE
RoHS Compliance	YES

OPERATING FREQUENCY 2412-2462MHz, 5745MHz-5825MHz

5GHz TX POWER SPECIFICATIONS				5GHz RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
11a/g	1-24Mbps	25 dBm	+/-2dB	11a/g	24Mbps	-83 dBm	+/-2dB
	36Mbps	23 dBm	+/-2dB		36Mbps	-80 dBm	+/-2dB
	48Mbps	21 dBm	+/-2dB		48Mbps	-77 dBm	+/-2dB
	54Mbps	20 dBm	+/-2dB		54Mbps	-75 dBm	+/-2dB
11n	MCS0	25 dBm	+/-2dB	11n	MCS0	-96 dBm	+/-2dB
	MCS1	25 dBm	+/-2dB		MCS1	-95 dBm	+/-2dB
	MCS2	25 dBm	+/-2dB		MCS2	-92 dBm	+/-2dB
	MCS3	25 dBm	+/-2dB		MCS3	-90 dBm	+/-2dB
	MCS4	24 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	22 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	20 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	19 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
	MCS8	25 dBm	+/-2dB		MCS8	-95 dBm	+/-2dB
	MCS9	25 dBm	+/-2dB		MCS9	-93 dBm	+/-2dB
	MCS10	25 dBm	+/-2dB		MCS10	-90 dBm	+/-2dB
	MCS11	27 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

Board Dimensions	10.5cmx10.5cm
Weight	0.2 kg
RF Connector	2x MMCK
Max Power Consumption	4.5 Watts
Power Method	48V 802.3af Power Over Ethernet
Operating Temperature	-40C to +80C
Operating Humidity	5 to 95% Condensing
Shock and Vibration	ETSI300-019-1.4

FIRMWARE

