

Plug and Go.

100Mbps+ of REAL TCP/IP Throughput over outdoor multi-km links



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 5470MHz-5825MHz

5GHz TX POWER SPECIFICATIONS				5GHz RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
11a	1-24Mbps	25 dBm	+/-2dB	11a	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

RANGE PERFORMANCE

Outdoor (Antenna Dependent):	Over 50km
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PHYSICAL / ELECTRICAL / ENVIRONMENTAL

RF Connector	Integrated N-type Male Jack (connects directly to antenna)
Enclosure Size	15.2cm. length x 3.1 cm. height x 3.7cm. width
Weight	0.18kg
Enclosure Characteristics	Outdoor UV Stabilized Plastic
Max Power Consumption	6 Watts
Power Rating	Up to 24V
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)
Operating Temperature	-40C to +80C
Operating Humidity	5 to 95% Condensing
Shock and Vibration	ETSI300-019-1.4

FIRMWARE



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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

2.4GHz TX POWER SPECIFICATIONS				2.4GHz RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance		DataRate	Sensitivity	Tolerance
11b/g	6-24Mbps	28 dBm	+/-2dB	11b/g	24Mbps	-83 dBm	+/-2dB
	36Mbps	25 dBm	+/-2dB		36Mbps	-80 dBm	+/-2dB
	48Mbps	24 dBm	+/-2dB		48Mbps	-77 dBm	+/-2dB
	54Mbps	23 dBm	+/-2dB		54Mbps	-75 dBm	+/-2dB
11n	MCS0	28 dBm	+/-2dB	11n	MCS0	-96 dBm	+/-2dB
	MCS1	28 dBm	+/-2dB		MCS1	-95 dBm	+/-2dB
	MCS2	28 dBm	+/-2dB		MCS2	-92 dBm	+/-2dB
	MCS3	28 dBm	+/-2dB		MCS3	-90 dBm	+/-2dB
	MCS4	27 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	25 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	23 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	22 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB

RANGE PERFORMANCE

Outdoor (Antenna Dependent):	Over 50km
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PHYSICAL / ELECTRICAL / ENVIRONMENTAL

RF Connector	Integrated N-type Male Jack (connects directly to antenna)
Enclosure Size	15.2cm. length x 3.1 cm. height x 3.7cm. width
Weight	0.18kg
Enclosure Characteristics	Outdoor UV Stabilized Plastic
Max Power Consumption	7 Watts
Power Rating	Up to 24V
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)
Operating Temperature	-40C to +80C
Operating Humidity	5 to 95% Condensing
Shock and Vibration	ETSI300-019-1.4

FIRMWARE

