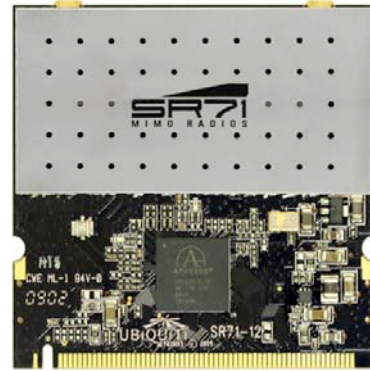




SR71-12

World's Most Powerful 802.11n Radio Module



CARD INFORMATION								
Wireless Chipset	Atheros AR9220 with DFS SUPPORT							
Radio Operation	IEEE 802.11 b/g/n							
Interface	32-bit mini-PCI Type IIIA							
Operation Voltage	3.3VDC							
Antenna Ports	(2) MMCX for 2x2 MIMO Operation							
Temperature Range	-40C to +85C (extended temp version up to +95C)							
Security	802.11i with AES-CCM & TKIP Encryption, 802.1x, 64/128/152bit WEP							
Data Rates	Legacy 802.11a/b/g (1-54Mbps), 802.11n (up to 300Mbps)							
RoHS Compliance	YES							
REGULATORY INFORMATION								
Wireless Modular Approvals	FCC , Industry Canada, CE (100mW limited)							
OPERATING FREQUENCY 2412MHz-2462MHz								
2.4GHz TX POWER SPECIFICATIONS (combined)						2.4GHz RX SPECIFICATIONS		
	DataRate	Avg. TX	Tolerance			DataRate	Sensitivity	Tolerance
11b/g	1-24Mbps	28 dBm	+/-2dB			1-24Mbps	-97 dBm	+/-3dB
	36Mbps	27 dBm	+/-2dB			36Mbps	-90 dBm	+/-3dB
	48Mbps	25 dBm	+/-2dB			48Mbps	-86 dBm	+/-3dB
	54Mbps	23 dBm	+/-2dB			54Mbps	-84 dBm	+/-3dB
2.4GHz 11n HT20	MCS0	28 dBm	+/-2dB			MCS0	-97 dBm	+/-3dB
	MCS1	28 dBm	+/-2dB			MCS1	-96 dBm	+/-3dB
	MCS2	28 dBm	+/-2dB			MCS2	-93 dBm	+/-3dB
	MCS3	27 dBm	+/-2dB			MCS3	-91 dBm	+/-3dB
	MCS4	26 dBm	+/-2dB			MCS4	-87 dBm	+/-3dB
	MCS5	24 dBm	+/-2dB			MCS5	-84 dBm	+/-3dB
	MCS6	23 dBm	+/-2dB			MCS6	-78 dBm	+/-3dB
	MCS7	21 dBm	+/-2dB			MCS7	-75 dBm	+/-3dB
	MCS8	28 dBm	+/-2dB			MCS8	-98 dBm	+/-3dB
	MCS9	28 dBm	+/-2dB			MCS9	-97 dBm	+/-3dB
	MCS10	28 dBm	+/-2dB			MCS10	-94 dBm	+/-3dB
	MCS11	27 dBm	+/-2dB			MCS11	-92 dBm	+/-3dB
	MCS12	26 dBm	+/-2dB			MCS12	-88 dBm	+/-3dB
	MCS13	24 dBm	+/-2dB			MCS13	-85 dBm	+/-3dB
	MCS14	23 dBm	+/-2dB			MCS14	-79 dBm	+/-3dB
MCS15	21 dBm	+/-2dB	MCS15	-76 dBm	+/-3dB			
AVG. CURRENT CONSUMPTION INFORMATION								
MODE				6Mbps	MCS0, HT20	MCS15, HT20	MCS15, HT40	
100% TX (using TX99 test tool)				1.30A	1.30A	0.70A	0.70A	
Real-World (using iPerf long file transfer)				0.75A	0.75A	0.50A	0.50A	
Idle				0.25A	0.25A	0.25A	0.25A	
RANGE PERFORMANCE								
Indoor (Antenna Dependent):						Up to 300 meters		
Outdoor (Antenna Dependent):						Over 50km		
For help with special driver support, please e-mail support@ubnt.com								

