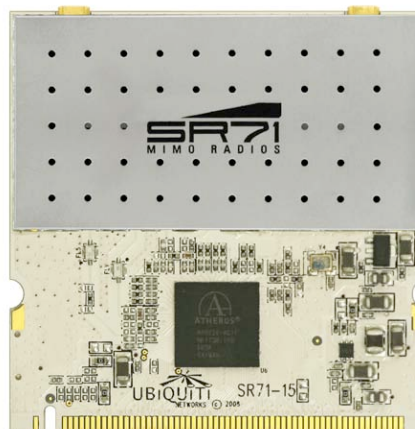




SR71-15

Hi Performance 5GHz 802.11n Radio Module



CARD INFORMATION								
Wireless Chipset				Atheros AR9220 with DFS SUPPORT				
Radio Operation				IEEE 802.11 a/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				
OPERATING FREQUENCY 5475-5825 MHz								
TX POWER SPECIFICATIONS (combined)					RX SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance			DataRate	Sensitivity	Tolerance
11a	1-24Mbps	25 dBm	+/-2dB		11a	1-24Mbps	-97 dBm	+/-3dB
	36Mbps	24 dBm	+/-2dB			36Mbps	-90 dBm	+/-3dB
	48Mbps	22 dBm	+/-2dB			48Mbps	-86 dBm	+/-3dB
	54Mbps	21 dBm	+/-2dB			54Mbps	-84 dBm	+/-3dB
5GHz 11n HT20	MCS0	25 dBm	+/-2dB		5GHz 11n HT20	MCS0	-97 dBm	+/-3dB
	MCS1	25 dBm	+/-2dB			MCS1	-96 dBm	+/-3dB
	MCS2	25 dBm	+/-2dB			MCS2	-93 dBm	+/-3dB
	MCS3	24 dBm	+/-2dB			MCS3	-91 dBm	+/-3dB
	MCS4	23 dBm	+/-2dB			MCS4	-87 dBm	+/-3dB
	MCS5	22 dBm	+/-2dB			MCS5	-84 dBm	+/-3dB
	MCS6	21 dBm	+/-2dB			MCS6	-78 dBm	+/-3dB
	MCS7	19 dBm	+/-2dB			MCS7	-75 dBm	+/-3dB
	MCS8	25 dBm	+/-2dB			MCS8	-98 dBm	+/-3dB
	MCS9	25 dBm	+/-2dB			MCS9	-97 dBm	+/-3dB
	MCS10	25 dBm	+/-2dB			MCS10	-94 dBm	+/-3dB
	MCS11	24 dBm	+/-2dB			MCS11	-92 dBm	+/-3dB
	MCS12	23 dBm	+/-2dB			MCS12	-88 dBm	+/-3dB
	MCS13	22 dBm	+/-2dB			MCS13	-85 dBm	+/-3dB
	MCS14	21 dBm	+/-2dB			MCS14	-79 dBm	+/-3dB
	MCS15	19 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 200meters				
Outdoor (Antenna Dependent):				Over 50km				
For help with special driver support, please e-mail support@ubnt.com								



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