

Model: RL-MX50-15



5 GHz 802.11a/n 2x2 MIMO AP/PtP/CPE

The value priced RL-MX50-15 from Rapidus Wireless is a 5 GHz Wireless LAN product that is 802.11a/n compliant, featuring integrated 15 dBi 2x2 MIMO antennas, and boosting data rates of up to 300Mbps. This versatile and cost-effective unit can be configured and deployed as an Access Point, CPE or as a high performance Point-to-Point link.

The RL-MX50-15 features a high performance radio with up to 26dBm output power, and advanced networking and management capabilities including NAT Routing, DHCP Server, WEP/WPA/WPA2 Security, Bandwidth Control, 4 Virtual Access Points (with multiple ESSID's), and VLAN Pass-Through.

The all-in-one design Indoor/Outdoor design features integrated 15dBi 2x2 MIMO dual-polarity antennas and LED alignment for easy installation.

The weather resistant design meets IP55 environmental standards, requiring minimal installation and maintenance costs and is ideal for conditions ranging from -40°C to +60°C.

The RL-MX50-15 is backed by 1-Year Parts and Labour Warranty and Lifetime Technical Support for worry-free network operation.

Key Features

- IEEE 802.11a/n Compliant
- AP/CPE/WDS Radio Modes
- Up to 300Mbps Data Rate
- +26dBm of Total Transmit Power with Adjustable Output
- Integrated 15 dBm 2x2 MIMO Antenna
- 20/40MHz Channel Widths
- Solar-Friendly Power Draw
- Up to 4 Virtual Access Points / SSID's
- WEP/WPA/WPA2 Security
- HTTP/HTTPS Web Server
- Dual Ethernet Ports
- NAT and VPN Pass-Through
- Power-over-Ethernet (POE)
- Web-Based Management Tools
- Remote Firmware Upgrade
- Weatherproof Enclosure

Software Configurations

5 GHz Access Point WDS / Point-to-Point CPE

Model Ordering Options

RL-MX50-15: includes PoE, mounting bracket and integrated 15 dBi 2x2 MIMO antennas.

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Specifications

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				Radio Interface			
Standards		IEEE 802.11a/n 5180-5240 MHz, 5745-5825 MHz (Not Yet Approved for 5.4 Operation in USA)					
Frequency Range (FCC)		<u> </u>			· · ·		
Frequency Range (Rest of World)		5180-5240 MHz, 5240-5320 MHz, 5500-5700 MHz, 5745-5875 MHz					
Channel Bandwidths		20MHz, 40MHz Selectable					
Radio Modes		Access Point (AP), Customer Premise Equipment (CPE), Access Point WDS, Station WDS					
Transmit Power		+26 <u>dBn</u>	ე (Max)				
Receiver Sensitivity	a-mode n-mode	-75 dBm @ 54 Mbps		-80 dBm @ 36 Mbp)S	-88 dBm @ 18 Mbps	-92 dBm @ 9 Mbps
		-78 dBm @ 48 Mbps		-84 d <u>Bm</u> @ 24 Mbps,		-90 dBm @ 12 Mbps	-95 dBm @ 6 Mbps
		MCS		HT20		MCS	HT40
		MCSO/8		-90 dBm		MCSO/8	-88 dBm
		MCS7/15		-72 dBm		MCS7/15	-70 dBm
Modulation & Coding Rates		64-QAM %, 64-QAM ¾, 64-QAM ¾, 16-QAM ¾, 16-QAM ½, QPSK ¾, QPSK ½, BPSK ½					
Antenna Polarization			arity (2 x 2 MIMO)			, · · · · · · · · · · · · · · · · · ·	
			, ,	ons and Model Inforr	nation		
(4)	·			-3dB Beamwidth			
Model No. (1)			Ту	/pe	Azimı	************	www.
TR-MX50-15			15 dBi 2x2 MIMO (internal)			See charts belo	DW .
			00000	ing and Managemen	ıt.	500 0110110 15010	···
		Web-Ra				te Configuration and Firn	nware Ungrades (via ID)
Device Management	Web-Based Management (HTTP and HTTPS Server), Remote Configuration and Firmware Upgrades (via IP), Backup/Restore Configuration, System Log, SSH, SNMP v2c						
		TCP/IP, UDP, NAT, DHCP Client/Server, PPTP, WDS, STP, VPN Pass-Through, Management VLAN, Multiple MAC					
Protocols		Bridging, Spanning Tree.					
Quality of Service (QoS)		802.11e WMM					
Bandwidth Management		Upload and Download Bandwidth Control					
Security		64/128-bit WEP, WPA/WPA2 (PSK/EAP/TKIP/AES), Station Isolation, MAC Address Filtering, IEEE 802.1X					
Multiple ESSID		Up to 4 Virtual Access Points with independent SSID and security control					
Ethernet		2 x 10/100 ports with Auto-MDI/X					
Max Clients		2 x 10/100 ports with Auto-MDI/X					
widx clients		127	Float	rical Specifications			
Danier Daniel Da		C W/-++-		rical specifications			
Power Requirement		6 Watts (max)					
Power Supply		Power over Ethernet (PoE)					
DC Adapter		24VDC/0.7A (INPUT: 100-240VAC~ 50-60Hz, 0.5A)					
<u> </u>		f-Model: Fixed UL Plug (US only) W-Model: Snap-In Plugs for US, UK, and EU included					
Reset Button		Reboot, Reset Factory Defaults					
LED Indicators		Power (1), LAN (1), Signal Strength (4)					
Processor		Atheros AR9342 (560MHz)					
Memory		64MB D	DR2 / 8 MB Flash				
				cal and Environment	al		
Radio Dimensions (HxWxD)	(2)	8.8" x 4.8" x 2.4" (223 x 123 x 60 (mm))					
Radio Weight		0.9 lbs (420 g)					
Installation Hardware (inclu	ded)	Power Supply/PoE Injector, Mounting-Bracket with Straps for Pole Mount					
Environmental Rating		IP55 (IP67 version available)					
Operating Temperature		-40°C to +60°C					
Storage Temperature		-40°C to	+90°C				
			Compl	iance and Warranty			
		RoHS, FCC Part 15, Industry Canada, CE0678! EN 62311, EN 60950-1+A11+A1+A12, EN 301 489-1/-17, EN					
Compliance & Approvals				Canada, CE0678! EN 6	52311, E	N 60950-1+A11+A1+A12,	EN 301 489-1/-17, EN
Compliance & Approvals Warranty		301893,	CC Part 15, Industry (EN 302502 Parts and Labor , 90 E	·	52311, E	N 60950-1+A11+A1+A12,	EN 301 489-1/-17, EN



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Specifications

