



All-in-One 2.4 GHz AP/WDS/CPE

The Rapidus Wireless TR-EZ2 series of wireless LAN products are IEEE 802.11b/g/n compliant, operate in the license-free 2.4GHz frequency band, and support data rates of up to 150 Mbps. The versatile multi-mode design supports both AP and CPE modes, as well as WDS and Bridge modes. It also features advanced networking and management capabilities including WEP/WPA/WPA2 security, WMM QoS, and NAT Routing. The EZ2 offers new options such as up to 4 Virtual Access Points, VLANs, narrow channels, and Layer 2 transparent Bridging.

The compact TR-EZ2-N design features a high performance radio with up to +24 dBm output power. An N-Type connector is provided for applications requiring an external antenna. The all-in-one design comes complete with a passive PoE injector and DC adaptor, requiring a single CAT5 cable for power and data, yielding the lowest cost of ownership. The EZ2 is available with a variety of antenna options.

The TR-EZ2-N also features a weather-resistant enclosure that is compliant with the IP65 environmental standards, requiring minimal installation and maintenance costs in conditions ranging from -50° C to +60° C. The EZ2 family of products are backed by a 1-Year Parts and Labor Warranty and Rapidus Wireless unparalleled Technical Support for worry-free network operation.

Key Features

- IEEE 802.11b/g/n Compliant
- AP/CPE/Bridge Router Modes
- Up to 150 Mbps Data Through-put
- +24 dBm Transmit Power with Adjustable Output
- 5/10/20/40 MHz Channels
- Layer 2 Transparent Mode
- Alignment LED's
- External N-Type Connector
- WEP/WPA/WPA2 Security and WMM QoS
- NAT Routing, VPN Pass-Through
- Traffic Shaping
- Power-over-Ethernet (PoE)
- Easy to install, all-in-one unit
- HTTP/HTTPS Web Based Management Tools

Software Configurations

2.4 GHz Access Point
WDS / Point-to-Point
Low Cost CPE

Model Ordering Options

TR-EZ2-N: includes PoE and mounting bracket—no antenna.

TR-EZ2-15: includes PoE, mounting bracket and slimline 15 dBi Panel antenna

TR-EZ2-19: includes PoE, mounting bracket and slimline 19 dBi Panel antenna

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Specifications

Radio Interface and Model Information				
Standards		IEEE 802.11b/g/n		
Radio Mode(s)		Access Point (AP), WDS, and Customer Premise Equipment (CPE)		
Frequency Range		2402 – 2482 MHz		
Channel Bandwidths	802.11b/g	5, 10, 20 MHz		
	802.11n	5, 10, 20MHz, 40MHz		
Average	802.11b	11Mbps	+24 dBm	
		6-24Mbps	+24 dBm	
	802.11g	36Mbps	+22 dBm	
		48Mbps	+21 dBm	
		54Mbps	+20 dBm	
Transmit Power	802.11n	MCS	HT20	HT40
		0-3	+24dBm	+22 dBm
		4	+21 dBm	+20 dBm
		5	+20 dBm	+19 dBm
		6	+19 dBm	+18 dBm
7	+18 dBm	+17 dBm		
Output Power Control		1 dB steps		
Minimum Receiver Sensitivity	802.11b	-97dBm @ 1Mbps		
		-93dBm @ 11Mbps		
	802.11g	-95dBm @ 6Mbps		
		-78dBm @ 54Mbps		
802.11n	-95dBm @ HT20/MSC0, -85dBm @ HT40/MSC0, -71dBm @ HT20/MSC7, -69dBm @ HT40/MSC7			
Modulation		64-QAM, 16-QAM, QPSK, BPSK, DBPSK, DQPSK, CCK		
Data Rates	802.11b	11, 5.5, 2, 1 Mbps		
	802.11g	54, 48, 36, 24, 18, 12, 9, 6 Mbps		
	802.11n	150, 135, 130, 121.5, 117, 108, 104, 81, 78, 65, 58.5, 54, 53, 40.5, 39, 27, 26, 19.5, 13.5, 13, 6.5, 6 Mbps		
Receive Signal Strength		Receive Signal Strength LED's for Antenna Alignment		
Antenna Configuration		1 x 1		
Networking and Management				
Device Management		Cross-Platform Utility, Web-Based Management, Remote Configuration and Firmware Upgrades (via IP),		
System Status		Wireless and Ethernet Statistics, Connection Status, Event Log, Remote Syslog Server, Site Survey		
Protocols		TCP/IP, UDP, NAT, STP, DHCP Client/Server, WDS, VPN Pass-Through, Multiple MAC Bridging		
Quality of Service (QoS)		802.11e WMM		
Security		WEP/WPA/WPA2 (TKIP/AES), MAC Address Filtering (Whitelist/Blacklist), Inter-Station Client Blocking		
Advanced Settings		Radio On/Off, Max Clients, Fragmentation Length, Beacon Interval		
Ethernet⁽²⁾		1 x Autosense 10/100Base-T (RJ-45)		
Electrical Specifications				
Max Power Consumption		2.5 Watts		
Power Supply		Power over Ethernet (PoE)		
DC Adapter		24VDC/0.7A (100-240VAC~ 50-60Hz, 1.0A), Fixed UL Plug		
Reset Button		Restore factory defaults		
LED Indicators		Power, LAN, Antenna Alignment LED's (3)		
Processor		Qualcomm Atheros MIPS 24Kc (CPU: AR9331)		
Memory		32MB SDRAM, 8MB FLASH		
Mechanical and Environmental				
Dimensions (radio only)		6.50" x 1.625" x 1.50" (170mm x 48mm x 40mm)		
Dimensions (package)		7.75" x 5.25" x 2.20" (195mm x 130mm x 52mm)		
Weight (package)		0.95 lbs (431 g)		
Installation Hardware (included)		PoE Injector, DC adapter and pole mounting tie straps		
Environmental Rating		IP55		
Operating Temperature		-50°C to 60°C		
Storage Temperature		-30°C to 80°C		
Compliance and Warranty				
Compliance & Approvals		FCC Part 15 Class B, CE EN 300 328, EN 301 489-1/17		
Warranty		1-Year Parts and Labor		