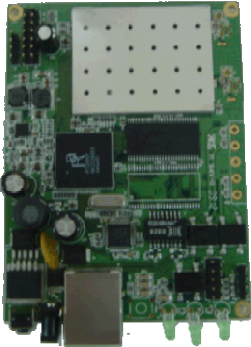


Model No : FN2-RLH5

Lanready Network Appliance - “Compact Size “ Support on board radio WiFi-N,2.4GHz , 500mW



FN2-RLH5 is a fully-featured reference appliance for based on the Realtek 8196B MIPS-based (400 MHz) WiFi network SoC, targeting small and medium business and embedded computing applications. FN2-RLH5 enables rapid evaluation and development of converged “ solution in a box “ products – integrating High Power 500mW wireless CPE , outdoor bridge .

Application :

- Outdoor/Indoor Long Range Point-To-Point Bridge
- Outdoor/Indoor Long Range Hot Spot
- Outdoor/Indoor Long Range CPE
- Outdoor/Indoor AP Bridge

Product Hardware Features

- 802.11n 1T1R (150Mbps PHY data rate)
- Compact Size : 7.8CM x 8.5 CM
- Transmitting Power : 27dBm
- Receiving : -97dBm
- 1 receivers and 1 transmitters
- 2.4 GHz band
- 20Mhz/40Mhz channel width
- Legacy and high throughput modes
- Multiple BSSID (up to 4)
- WEP64/128, WPA, WPA2 engines
- QOS-WMM ,WMM Power Save
- Provide Power Over Ethernet

Realtek Software SDK Feature

- Operation Modes : Access Point, Repeater(WDS) ,Bridge, Client Bridge
- Fully Backwards Compatible with all 802.11b Wireless Network
- 150 Mbps at 500mW (1T1R) , 300Mbps at 100mW (2T2R) Wireless Distribution System(WDS) when running in Repeater mode Maxmum Security with 802.1x, WPA, and AES

Hardware Specifications

Base Platform	Realtek 8196B+RT8192SE
Clock Speed	400 MHz
Wireless Radio	802.11 b/n
Serial Port	1 * Consol
Reset Switch Built-in	Push-button momentary contact switch
Standards Conformance	IEEE 802.3 / IEEE 802.3u
Ethernet Configuration	10/100BASE-TX auto-negotiation Ethernet port x 1 (RJ-45 connector) Auto MDI/MDI-X enabled ,Passive Power Over Ethernet Compatible
SDRAM	On board : 16 Mbytes (Max : 32Mbytes)
Flash	On board : 2 Mbytes (Max : 8Mbytes)
Built-In LED Indicators	1x Power , 1x LAN, 1 x WLAN
Wireless Specifications	
Network Standards Conformance	IEEE802.11 b/g/n (Draft 2.0) compliant
Data Transfer Rate	IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54(auto sensing) IEEE802.11n : Draft 2.0
Frequency Range	2.412 ~ 2.462GHz (USA) 2.412 ~ 2.484GHz (Japan) 2.412 ~ 2.472 GHz (Europe ETSI) 2.457 ~ 2.462 GHz (Spain) 2.457 ~ 2.472 GHz (France)
Channel Spacing	B/G Mode: 20MHz N Mode : 20/40MHz
Media Access Protocol	CSMA / CA with ACK
Modulation Method	B/G Mode: OFDM with BPSK, QPSK, QAM, and 64QAM N Mode: BPSK,QPSK,QPSK,16-QAM,64-QAM
RF Output Power	500mW
Transmit Power Variation	27 dBm
Frequency Response flatness	±1dB over operating range
Receiver Sensitivity	-97dBm
Environmental & Mechanical Characteristics	
Operating Temperature	-20 °C ~ 60 °C

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Storage Temperature	-20 °C ~ 70 °C
Operating Humidity	10% to 80% Non-Condensing
Storage Humidity	5% to 90% Non-Condensing
Antenna Connector	2 * IPEX Reverse -Type Connector
Power Consumption	9W
Input Power	12 VDC
Connector	DC-In Jack , RJ 45 (Power Over Ethernet)
Power Supply	AC Input : 110 – 220V AC Power DC Output : 12 VDC, 1 A input
Board Dimensions	55 x85 (mm) (Width x Depth)