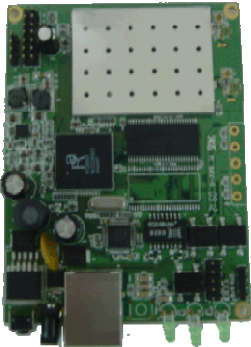


Model No : FN2-RTH2-L

Lanready Network Appliance – Support on board radio 5GHz , 200mW



FN2-RTH2-L is a fully-featured reference appliance for based on the Ralink 2880 MIPS-based (266MHz) WiFi network SoC, targeting small and medium business and embedded computing applications. FN2-RTH2-L enables rapid evaluation and development of converged “ solution in a box “ products – integrating High Power wireless CPE , outdoor bridge , enterprise-grade wireless access point .

### 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 2T2R (300Mbps PHY data rate)
- Transmitting Power : 23dBm
- Receiving : -97dBm
- 2 receivers and 2 transmitters
- 4.9-5.9GHz band
- 1x1/1x2/1x3/2x1/2x2 modes
- 20Mhz/40Mhz channel width
- Legacy and high throughput modes
- Multiple BSSID ( up to 8 )
- WEP64/128, WPA, WPA2 engines
- QOS-WMM ,WMM Power Save

### Hardware Specifications

Hardware Specifications	
Base Platform	Ralink 2880 + 2850
Clock Speed	266 MHz
Wireless Radio	802.11 a /n
Serial Port	1 * Consol

<b>Reset Switch Built-in</b>	Push-button momentary contact switch
<b>Standards Conformance</b>	IEEE 802.3 / IEEE 802.3u
<b>Ethernet Configuration</b>	10/100BASE-TX auto-negotiation Ethernet port x 1 (RJ-45 connector) Auto MDI/MDI-X enabled ,Passive Power Over Ethernet Compatible
<b>SDRAM</b>	On board : 16 Mbytes ( Max : 32Mbytes)
<b>Flash</b>	On board : 4 Mbytes (Max : 8Mbytes)
<b>Built-In LED Indicators</b>	1x Power , 1x LAN, 1 x WLAN
<b>Wireless Specifications</b>	
<b>Network Standards Conformance</b>	IEEE802.11 a/n (draft 2.0) compliant
<b>Data Transfer Rate</b>	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
<b>Frequency Range</b>	A Mode: 5.15~5.35 & 5.725~ 5.825 GHz for US 4.9~5.25 GHz for Japan (Subject to change) 5.15~5.35 & 5.47~5.725 GHz for ETSI  N Mode : 5.15~5.35 & 5.725~ 5.825 GHz for US 4.9~5.25 GHz for Japan (Subject to change) 5.15~5.35 & 5.47~5.725 GHz for ETSI
<b>Channel Spacing</b>	A Mode: 20MHz N Mode : 20/40MHz
<b>Media Access Protocol</b>	CSMA / CA with ACK
<b>Modulation Method</b>	A Mode: OFDM with BPSK, QPSK, QAM, and 64QAM N Mode: BPSK,QPSK,QPSK,16-QAM,64-QAM
<b>Operating Channels</b>	Channels Support: A Mode: US: 12 (Ch:36,40,44,48,52,56,60,64,149,153,157,161) Japan: 4 (Ch:34,38,42,46)and 7( 4.92, 4.94, 4.96,4.98, 5.04, 5.06, 5.08GHz) (Subject to change) ETSI:19(Ch:36,40,44,48,52,56,60,64,100,104,108, 112,116,120,124,128,132,136,140)  N @ 5GHzMode: US: 12 (Ch:36,40,44,48,52,56,60,64,149,153,157,161) Japan: 4 (Ch:34,38,42,46)and 7( 4.92, 4.94, 4.96,4.98, 5.04, 5.06, 5.08GHz) (Subject to change) ETSI:19(Ch:36,40,44,48,52,56,60,64,100,104,108, 112,116,120,124,128,132,136,140)

<b>RF Output Power</b>	200mW
<b>Transmit Power Variation</b>	23 dBm
<b>Frequency Response flatness</b>	±1dB over operating range
<b>Receiver Sensitivity</b>	-97dBm
<b>Environmental &amp; Mechanical Characteristics</b>	
<b>Operating Temperature</b>	-20 °C ~ 60 °C
<b>Storage Temperature</b>	-20 °C ~ 70 °C
<b>Operating Humidity</b>	10% to 80% Non-Condensing
<b>Storage Humidity</b>	5% to 90% Non-Condensing
<b>Antenna Connector</b>	2 * IPEX Reverse -Type Connector (MMCX Connector optional)
<b>Power Consumption</b>	9W
<b>Overload Current Protection</b>	1.1A
<b>Input Power</b>	12-68 VDC
<b>Connector</b>	DC-In Jack , RJ 45 (Power Over Ethernet)
<b>Power Supply</b>	AC Input : 110 – 220V AC Power DC Output : 12 VDC, 1.5A input
<b>Board Dimensions</b>	74 x110 (mm) (Width x Depth)