

Model No : FN2-A3H5

Lanready Network Appliance – Support on board radio 500mW



FN2-A3H5 is a fully-featured reference appliance for based on the Atheros 2315 MIPS-based WiFi network SoC, targeting small and medium business and embedded computing applications. FN2-A3H5 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
- Industrial-Use Wireless Access Point

Hardware Specifications	
Base Platform	AR2315
Clock Speed	180 MHz
Wireless Radio	802.11bg
Serial Port	1 * DB9 (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



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	Compatible
SDRAM	On board : 16 Mbytes
Flash	On board : 4 Mbytes
Built-In LED Indicators	1x Power , 1x LAN, 3 x WLAN (Wireless Strength Indication)
Wireless Specifications	
Network Standards Conformance	IEEE802.11 b /g 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)
Frequency Range	IEEE802.11b/g : 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)
Media Access Protocol	CSMA / CA with ACK
Modulation Method	IEEE802.11b : DSSS (DBPK,DQPSK,CCK) IEEE802.11g : OFDM(64-QAM,16-QAM,QPSK,BPSK)
Operating Channels	802.11b/g : 11 for FCC,14 for Japan,13 for Europe, 2 for Spain, 4 for France
RF Output Power	500mW
Transmit Power Variation	27 dBm :6MB/1MB, 23dBm:54MB
Frequency Response flatness	±1dB over operating range
Receiver Sensitivity	1Mbps: -97dBm, 6Mbps:-93dBm,11Mbps:-89dBm,54Mbps:-74dBm
Environmental & Mechanical Characteristics	
Operating Temperature	-20 °C ~ 60 °C
Storage	-20 °C ~ 70 °C



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Temperature	
Operating Humidity	10% to 80% Non-Condensing
Storage Humidity	5% to 90% Non-Condensing
Antenna Connector	2 * IPEX Reverse -Type Connector
Power Consumption	9W
Overload Current Protection	1.1A
Input Power	12-68 VDC
Connector	DC-In Jack , RJ 45 (Power Over Ethernet)
Power Supply	AC Input : 110 – 220V AC Power DC Output : 12 VDC, 1.5A input
Board Dimensions	74 x110 (mm) (Width x Depth)