AWI-D0100 150M Mini 2.4G WiFi AP PCBA

DESCRIPTION:

AWI-D0100, 150 Mbps WiFi AP/Bridge PCBA, is dedicated to provide an easy WiFi network adoption for WISP. Its compact size (86.5mmx60mmx18.5mm) and -10~60℃ operating temperature will allow you to insert into outdoor cabinet, with the most attentive wireless security.

AWI-D0100 provides multiple protection mechanism. It can be set to turn off wireless network name (SSID) broadcast so that only the stations, which have the SSID, can be connected. The Router provides wireless LAN 64/128 bit WEP encryption security, WPA and WPA2 authentication, TKIP/AES encryption security and WPS function.

FEATURES:

- Complies with IEEE802.11n, IEEE802.11g, IEEE802.11b, IEEE802.3, IEEE802.3u standards
- 1 x 10/100M Auto-Negotiation LAN RJ45 port
- Supports Auto MDI/MDIX
- Supports WPS function
- Supports 130/54/48/36/24/18/12/9/6/11/5.5/3/2/1Mbps wireless LAN data transfer rates
- Provides 64/128 bit WEP encryption security
- Supports wireless Bridging/ WDS/AP/WDS+AP mode
- Provides WPA and WPA2 authentication and TKIP/AES encryption security
- Built-in DHCP server supporting static IP address distributing
- Supports Virtual Server, Special Application, and DMZ host
- Supports TCP/IP, PPPoE, DHCP, ICMP, NAT
- Supports Flow Statistics
- Supports firmware upgrade
- Supports Remote and Web management
- Supports passive POE(5-12V) power supply
- support 5V DC Jack or USB ports power supply (on request)

SPECIFICATION:

Protocols and Standards	IEEE 802.11n, 802.11g, IEEE 802.11b, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.1x, TCP/IP, DHCP, ICMP, NAT, PPPoE
Ports	1 x 10/100M Auto MDI/MDIX RJ45 port Support Passive POE function (Pin assignment: Pin 7&8 is" – " ; Pin 4&5 is " + ")
Frequency Band	2.4~2.4835GHz
Data Transfer Rates	11n： 150/ 108/ 81/ 54/ 27Mbps 135/ 121.5/ 108/ 81/ 54/ 40.5/ 27/ 13.5Mbps 130/ 117/ 104/ 78/ 52/ 39/ 26/ 13Mbps； 65/ 58.5/ 52/ 39/ 26/ 19.5/ 13/ 6.5Mbps 11g: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6M (Auto-Sense) 11b: 11/ 5.5/ 3/ 2/ 1M (Auto-Sense)
Channel	1~11 (US, Canada) 1~13 (Europe)
Modulation	BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/ 64-QAM)
Transmission Distance	Indoor up to 120m, outdoor up to 360m (Transmission distance is varied with the conditions of environment).
RF Power	**11b:19dBm 11g :15dBm 11n:14dbdBm**
Antenna	External IPEX antenna connector**/ 3dbi** internal Antenna (optional)
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100BASE-TX: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
LED Indicators	Link/Act, Speed, Power, System, WLAN
Power	DC Jack in: 5V 1A; (alternative: USB Mini 4PIN power jack) Consumption: 2.5W (Max)
Dimensions (W x D x H)	86.5mm x 60mm x 18.5mm
Safety & Certification	CE, FCC 15 part B
Environment	Operating Temperature: -10~60℃ Storage Temperature: -40~75℃ Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~95% non-condensing