

**Order Information: AWM1910H5P**

Wireless-N (draft 2.0 compliance) High Gain 10dBi USB 500mW Adapter



If you wish to obtain an extended wireless range, it is mandatory that you use directional patch Wireless USB adapter directed at the other directional patch wireless device.

If you were to try to use High Gain Wireless Router or in the Hot Spot, a normal antenna wireless adapter at your notebook or desktop end, there would be no problem receiving the signal from the High Power /High Gain device, however the notebook/desktop side (standard antenna) would not have the strength to send the signal back.

The “USB2.0 Wireless-N “Coverage Extender” may drive your wireless signals into even those distant, reflective corners and hard-to-reach areas. In Wireless “Hot Spots” area, you will get the benefits of increased coverage accessing the “Hot Spot Gateway “ without any extra Access Point or Client Bridge , Power Adapter

**Features**

- High Power High Sensitivity : RF Output Power 500mW
- High gain 10dBi for wireless range extender
- **Antenna to 110 degree (Vertical) 60 degree (Horizontal ) emission of your highly amplified wireless signal , 270° Tilt-and-swivel design for best reception**
- **Compliant with IEEE 802.11b , IEEE 802.11g, and IEEE802.11n (draft 2.0)**
- **Support Transfer Rate up to 150Mbps , Receive rate up to 300Mbps (1T2R)**
- Compact size for greater flexibility Also compatible with USB 1.1 desktop and notebook computers
- Plug-and-Play Compatible with windows 98SE, 2000, Millennium, XP (32/64bit), Vista
- Security : WEP 64/128 bits TKIP/802.11i compliant AES –CCMP encryption WPA-PSK, WPA2-PSK, 802.1x, EAP-TLS, EAP-TTLS, PEAP-TL, PEAP(EAP-GTC), PEAP(EAP-MSCHAPv2), WPS
- Support WPA/WPA2-Personal, WPA/WPA2-Enterprise
- QoS :WMM



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- Support WPS Hardware and Software Push Button
- Support 802.11 d
- Support WHQL
- Support Set Wizard to do quickly configuration
- RTS & Fragment Threshold support
- Software AP function support

Advance Feature

- Roaming
- Japan Mid Band
- WoW and Dual Core support
- 802.11b/g/n adhoc

<b>【AWM1910P】 Electrical Specifications</b>	
<b>Interface</b>	USB 2.0 Standard, USB 1.1 Compliant
<b>Standards Conformance</b>	IEEE802.11 / 802.11b / 802.11g/802.11n (draft 2.0 compliance) ARIB STD-T66 compliant IEEE802.11 d, e,h,i,j
<b>Data Transfer Rate</b>	IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54Mbps (auto sensing) IEEE802.11n (draft 2.0 compliance) : 150Mbps (TX) /300MBps (RX)
<b>Access Method</b>	Infrastructure Mode, Ad-Hoc Mode (802.11 Ad-Hoc), Roaming
<b>Security</b>	WEP,TKIP,AES-CCMP,WPA-PSK,WPA2-PSK,802.1x, EAP-TLS,EAP-TTLS,PEAP(EAP-GTC),PEAP(EAP-MSCHAPv2), WPS
<b>Quality of Service (QOS)</b>	802.11e , WMM
<b>Software AP for XP, Vista</b>	Power Saving ,WMM Hardware –WEP (64 and 128 bit) /WPA/WPA2 MAC address filter(Access or Reject list) Support ICS setting on-Win XP, Vista
<b>International Regulation</b>	802.11d
<b>Frequency Range</b>	IEEE802.11b : 2.4 to 2.497GHz IEEE802.11g : 2.4 to 2.4835GHz IEEE802.11n (draft compliance) : 2.4GHz
<b>Wireless Medium</b>	OFDM & DSSS (with Barker coding and CCK for backward compatibility with 802.11b)
<b>Media Access Protocol</b>	CSMA / CA
<b>Bandwidth</b>	20MHz / 40MHz
<b>Modulation Method</b>	IEEE802.11b : DBPSK (1Mbps), DQPSK (2Mbps), CCK (5.5/11Mbps) IEEE802.11g : BPSK (6/9Mbps), QPSK (12/18Mbps), 16-QAM



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	(24/36Mbps), 64QAM (48/54Mbps) IEEE802.11n (draft 2.0 compliance )
<b>Operating Channels</b>	1~11 (U.S. & Canada), 1~13 (channel availability depends on local regulations), 1~14 (Japan)
<b>Transmit Power Settings</b>	500mW
<b>Receiver Sensitivity</b>	-97 dBm
<b>Antenna Type</b>	Built-In 10dBi Patch Antenna
<b>LED Indicators</b>	Power / Link
<b>Operating systems</b>	Windows Vista 64/32, Windows XP 64/32, Window 2000 MAC OS 10.4/10.5

**Environmental & Mechanical Characteristics**

<b>Operating Temperature</b>	32 °F ~ 131 °F (0 °C ~ 55 °C)
<b>Storage Temperature</b>	-13 °F ~ 158 °F (-20 °C ~ 70 °C)
<b>Operating Humidity</b>	10% to 80% Non-Condensing
<b>Storage Humidity</b>	5% to 90% Non-Condensing
<b>Dimension</b>	66x109x35mm
<b>Weight</b>	170g

**Antenna Electrical Specifications**

<b>Antenna Type</b>	2.4GHz 10 dBi Indoor Patch Antenna
<b>Frequency Range</b>	2.4 ~ 2.4835GHz
<b>Network Specification</b>	IEEE 802.11b , IEEE 802.11g , IEEE 802.11n, Wireless 2.4Ghz Network
<b>Gain</b>	10 dBi
<b>V.S.W.R</b>	< 1.5
<b>Beam Width-H Plane</b>	110° (Vertical)
<b>Beam Width-E Plane</b>	60° (Horizontal)
<b>Polarization</b>	Vertical (Linear)
<b>Mounting</b>	270° Degree Adjustable Stand, Wall Mount or Table Mount