interepoch IWE1100-A
Long-Range Access Point / Bridge

interepoch
Wireless Your Business, Wireless Your Life

◄ **Wireless Communication for Public Hotspots, Enterprises and Point-to-Point Bridging Applications**

Wireless access point

The high performace and stable InterEpoch IWE1100-A provides easy wireless access for mobile users in public areas. The IWE1100-A is fully compliant with any Wi-Fi certified wireless LAN client and provides anywhere, anytime wireless connectivity for mobile users who want to share files, send emails or access the Internet.

Wireless bridge

The IWE1100-A provides a highly reliable wireless point-to-point networking solution for distant locations. The standard WDS (Wireless Distribution System) technology provides up to 6 static point-to-point bringing links. The AP client technology automatically establishes dynamic bridging links with APs from any vendors. The AP client technology is very suitable for networks that needs link backup or for point-to-multipoint bridging applications. For easy diagnostics, the Windows-based Wireless Network Manager (WNM) utility provides the WDS link quality indicator and WDS link health monitoring features to check signal quality based on a remote point-to-point testing mechanism.

Enhanced transmit power

The long-range model of IWE1100-A provides higher transimit power up to 200mW (23dBm). Higher transimit power enables a longer operating range for more flexible and cost-effective wireless applications. And, the transmit power of the AP's RF module can be adjusted to change RF coverage of the AP.

## Suitable for public wireless access

The advanced model of IWE1100-A contains features that are especially useful in public areas such as hotspots and enterprises. The wireless client isolation feature prevents wireless hackers from attacking other wireless subscribers' computers. The AP load balancing feature enables wireless client associations and traffic load to be shared among all the APs within a group.

Ensure great security

The IWE1100-A can authenticate and authorize wireless users in organizations, enterprises, or public areas by the IEEE 802.1x standard. It communicates with a back-end RADIUS server to see if a wireless user is allowed to access the wireless network. Windows XP has built-in support for IEEE802.1x. WEP and WPA are also supported for better wireless security.

Ease of installation and management

Network administrator can centrally manage the IWE1100-A via a Web browser or an SNMP MIB browser. The Windows-based Wireless Network Manager (WNM) utility enables you to view all IWE1100-As within LAN via Auto Discovery regardless of IP address settings. WNM provides versatile and cost-effective WLAN management functionality, including the ability to configure, control, monitor, update, report, diagnose and trobleshoot the WLAN via a single Window GUI.

IWE1100-A   IWE1100-A
WDS
Ethernet
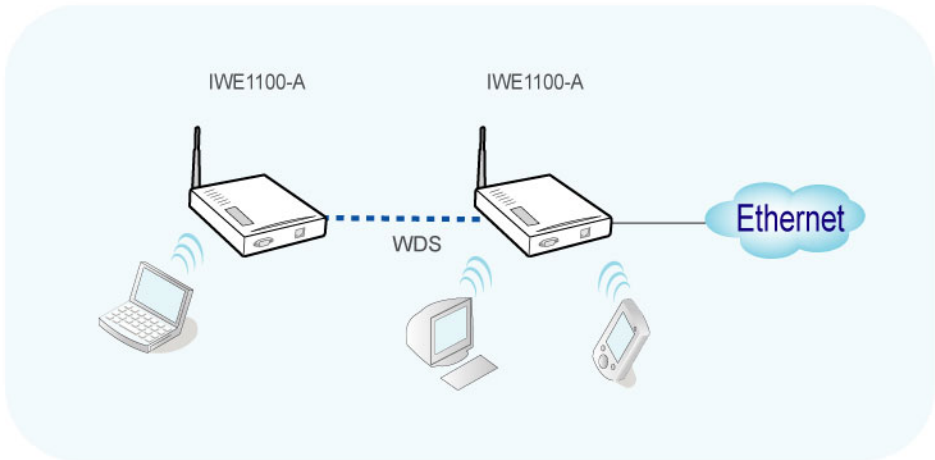
About InterEpoch

INTEREPOCH delivers value to its customers by designing and manufacturing wireless communication solutions that enable people to communicate effortlessly. The depth and experience of the R&D teams have contributed to the rapid recognition of INTEREPOCH as a leading force in the manufacturing of wireless communication devices. INTEREPOCH's core business strategy focuses on the OEM/ODM sector of the Wireless Industry, thereby giving it the competitive edge to produce award-winning wireless communication solutions for public hotspots and enterprises.

Specification

Key features

Wireless
- IEEE802.11b compliant
- High transmit power up to 200mW
- WDS - static bridging
- AP client - dynamic bridging
  - AP browsing with signal strength
  - Preferred ESSID/BSSID selection
- Transmit power control
- Associated wireless clients status
- Data rate settings

Public hotspots
- Link integrity
- Wireless client isolation (Adv.)
- AP load balancing (Adv.)
- Association control (Adv.)

Networking
- DHCP client & server
- Current DHCP mapping table
- Packet filtering (Ethernet/TCP/UDP/Port)

Security
- 64/128-bits WEP
- WPA - TKIP/IEEE 802.1x (Adv.)
- EAP-MD5, EAP-TLS, EAP-TTLS and PEAP support (Adv.)
- Disabling SSID broadcasts
- MAC-address-based access control
- VPN pass-through

Management
- Rich set of tools for remote management: Web-based, Windows-based and UPnP
- Secure administration
- SNMP v1 & v2
- SNMP traps: Standard and private traps
- MIB II, IEEE 802.11, IEEE 802.1d, IEEE 802.1x, and private enterprise MIB
- System log
- WDS link health monitoring
- WDS link quality indicator
- Firmware upgrade via HTTP and TFTP
- Configuration backup & restore
- Hardware watchdog timer

Interface	
Ethernet	IEEE802.3u 10/100BaseTX Ethernet (RJ-45)
Antenna	One 2.4GHz rubber R-SMA detachable antenna
COM	RS-232 port

Wireless	
Frequency	2.4-2.4835 GHz, Direct Sequence Spread Spectrum (DSSS)
Data Rate	CCK@11/5.5Mbps, DQPSK@2Mbps and DBSK@1Mbps
Channel	USA: 1-11 (FCC), Canada: 1-11 (IC), Europe: 1-13 (ETSI), France: 10-13, Japan: 1-14
Transmit Power	17dBm (Normal model), 23dBm (Long range model)
Receiver Sensitivity	Better than -85dBm
Line-of-Sight Range	1200ft (400meters) with outdoor line of sight

Physical & LEDs	
Dimensions	175mm (L) x 140mm (W) x 40mm (H)
LEDs	Power, LAN Link/ACT, RF Link/ACT, System alive

Environmental	Temperature	Humidity
Operating	0-55°C	5%-95% (non-condensing)
Storage	-20-70°C	5%-95% (non-condensing)

Power supply	
Operating Voltage	DC +5V
Power over Ethernet	IEEE 802.3af compliant and PowerDsine certified (optional)

Related products	
IWE1100-T dual-radio repeater, IWE1200A-G access gateway and IWE500-INJ PoE injector	

Ordering information	
IWE1100-A8S17P	IEEE 802.11b WLAN AP/Bridge Professional
IWE1100-A8S17PE	IEEE 802.11b WLAN AP/Bridge Professional w/PoE
IWE1100-A8S17PL	IEEE 802.11b WLAN AP/Bridge Professional w/200mW RF
IWE1100-A8S17PLE	IEEE 802.11b WLAN AP/Bridge Professional w/PoE+200mW RF
IWE1100-A8S17X	IEEE 802.11b WLAN AP/Bridge Advanced
IWE1100-A8S17XE	IEEE 802.11b WLAN AP/Bridge Advanced w/PoE
IWE1100-A8S17XL	IEEE 802.11b WLAN AP/Bridge Advanced w/200mW RF
IWE1100-A8S17XLE	IEEE 802.11b WLAN AP/Bridge Advanced w/PoE+200mW RF
IWE500-INJ	1-port PoE Injector