

# interepoch IWE1700-A

## Outdoor Long-Range Access Point / Bridge



◀ **Rugged AP/Bridge with 200mW High Transmission Power for Wi-Fi Services and Point to Point Application**

### Designed for outdoor use

Due to its die-cast weatherproof housing, and IP68 certified 100%, the IWE1700-A can work under all rough weather conditions. Furthermore, support for IEEE 802.3af-compliant PoE makes power line wiring unnecessary. The capability of remote management via SNMP and HTTP is provided to eliminate the cost of on-site-maintenance.

### Wireless access point

The high performance and stable InterEpoch IWE1700-A provides easy wireless access for mobile users in public areas. The IWE1700-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

### Wireless bridge

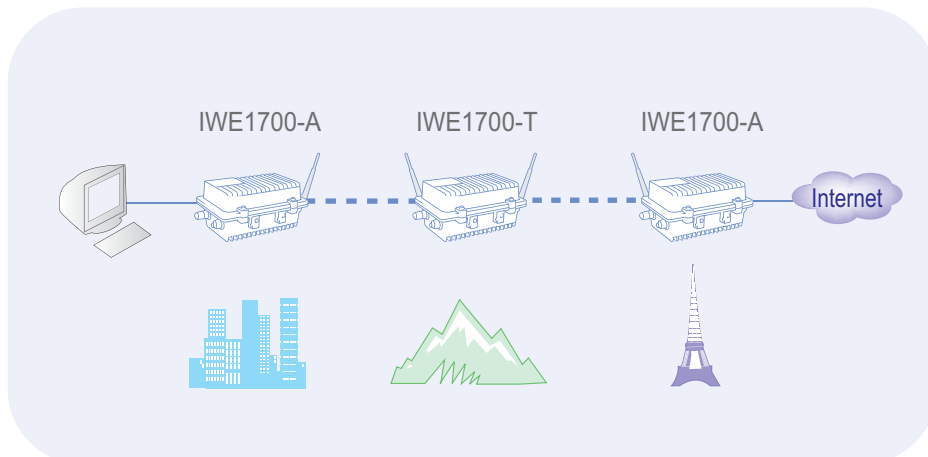
The IWE1700-A provides a highly reliable wireless point-to-point networking solution for distant locations. The standard WDS (Wireless Distribution System) technology provides up to 6 static point-to-point bridging links. The AP client technology automatically establishes dynamic bridging links with 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.

### Ensure great security

The IWE1700-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 (Remote Authentication User Dial-In Service) 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 IWE1700-A via a Web browser or an SNMP MIB browser. The Windows-based Wireless Network Manager (WNM) utility enables you to view all IWE1700-As within LAN via Auto Discovery regardless of IP address settings. The WDS link quality indicator and WDS link health monitoring features check signal quality based on a remote point-to-point testing mechanism for easy diagnostics. WNM provides versatile and cost-effective WLAN management functionality, including the ability to configure, control, monitor, update, report, diagnose and troubleshoot the WLAN via a single Window GUI.



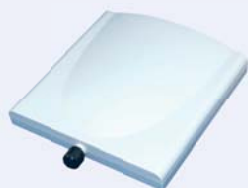
## About InterEpoch

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.

## Antenna Option



Omni-directional 8dBi  
ANT-OG081N



Directional 14dBi  
ANT-DG140N



ISO 9001 Certified  
Manufacturer



Wireless Your Business, Wireless Your Life

Web: [www.interepoch.com](http://www.interepoch.com)  
Email: [sales@interepoch.com.tw](mailto:sales@interepoch.com.tw)

## Specification

### Key features

#### Hardware

- ◆ All weather-proof housing, 100% IP68 certified
- ◆ Small and light weight
- ◆ Build-in heater
- ◆ High transmit power up to 200mW
- ◆ Longer distance with Booster (Option)
- ◆ Lower radio jamming frequency band with Up/Down Converter (Option, need license)
- ◆ High voltage lightning protector (Option)

#### Wireless

- ◆ IEEE802.11b compliant
- ◆ 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
- ◆ 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

#### Management

- ◆ Rich set of tools for remote management: Web-based, Windows-based and UPnP
- ◆ 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 (Waterproof Mini Din) with Power-over-Ethernet
Antenna Connector	N-Type jack * 1

### 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	20dBm (EU), 23dBm (US)
Receiver Sensitivity	Better than -85dBm

### Physical

Dimensions	234mm (L) x 170mm (W) x 63mm (H)
Weight	1480 g

### Environmental

	Temperature	Humidity
Operating	-20-70°C	5%-95% (non-condensing)
Storage	-30-80°C	5%-95% (non-condensing)
Weather-proof	IP68	

### Power supply

Power over Ethernet	Input 48V dc / 1A
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### Safety & Emission Standard

FCC, CE

### Package Included

25M 10/100BaseTX Waterproof Ethernet Cable \* 1, Mounting Kit \* 1, PoE Injector \* 1

### Ordering information

IWE1700-AAS11PM	IEEE 802.11b Outdoor AP/Bridge Professional w/200mW RF
IWE1700-AAS11XM	IEEE 802.11b Outdoor AP/Bridge Advanced w/200mW RF

#### Vendor's Disclaimer Statement

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