

# IWE1700-Ag 900MHz

**interepoch**

## Outdoor Long-Ranged NLOS(Non-Line-of-sight) Access Point



◀ Rugged Outdoor AP with 500mW High Transmission Power for Point-to-Point / Point-to-MultiPoint Applications

◀ Frequency : 900MHz

### Designed for outdoor Non-Line-of-sight

Designed for outdoor non-line-of-sight application. Due to its die-cast weather proof housing, and 100% IP68 certified, the IWE1700-Ag9 can work under all rough weather conditions.

Further more, it supports 900MHz low band frequency for linking points or buildings which are not line-of-sight between them.

### Wireless access point

The high performance and stable interepoch IWE1700-Ag9 provides easy wireless access for mobile users in public areas.

The IWE1700-Ag9 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 IWE1700-Ag9 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 vendor. The AP client technology is very suitable for networks that needs link backup or point-to-multipoint bridging applications. For easy diagnostics, the Web-based Wireless Network Manager provides the WDS link quality indicator features to check signal quality based on a remote point-to-point testing mechanism.

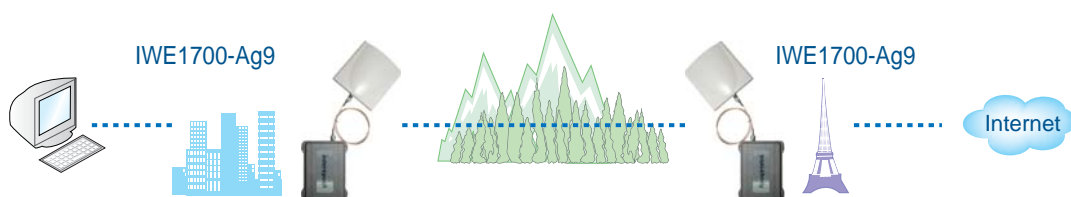
### Enhanced great security

The IWE1700-Ag9 can authenticate and authorize wireless users in organizations, enterprises, or public areas by the IEEE 802.1x standard.

It communicates with a backend 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 IEEE 802.1x. WEP and WPA, WPA2 are also supported for better wireless security.

### Easy installation and management

Through the neat Web based user interface of the IWE1700-Ag9, the step-by-step installation instructions are easy to follow. And the network administrator can centrally manage the IWE1700-Ag9 via a Web browser or an SNMP MIB browser. WDS link quality indicator feature check signal quality based on a remote point-to-point testing mechanism for easy diagnostics, provides versatile and cost effective WLAN management functionality, including the ability to configure, control, monitor, update, report, diagnose and trouble shoot the WLAN via web browser.



## 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.

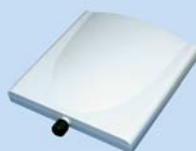
## Antenna Option



900M Yagi-directional 9/14dBi  
ANT-Y9090N/Y9140N



900M Omni-directional 8dBi  
ANT-O9080N



900M Directional 8dBi  
ANT-D9080N



ISO 9001 Certified Manufacturer

## Specification

### Key features

#### Hardware

- ◆ All weather-proof housing, 100% IP68 certified
- ◆ Built-in heater (Only IP68)
- ◆ High transmit power up to 500mW
- ◆ Longer distance with Booster
- ◆ High voltage lightning protector (Option)

#### Wireless

- ◆ IEEE802.11 b/g 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
- ◆ Support WMM
- ◆ Support Multiple SSID

#### Public hotspots

- ◆ Link integrity
- ◆ Wireless client isolation
- ◆ AP load balancing
- ◆ Association control

#### Networking

- ◆ DHCP client & server
- ◆ Current DHCP mapping table
- ◆ Packet filtering (Ethernet/IP/TCP/UDP/Port)
- ◆ 802.1d support

#### Security

- ◆ 64/128/152-bits WEP
- ◆ WPA , WPA2 - Personal, Enterprise
- ◆ WDS with WEP
- ◆ AP Client with WEP
- ◆ Disabling SSID broadcasts
- ◆ MAC-address-based access control
- ◆ VPN passthrough

#### Management

- ◆ Various set of tools for remote management: Web-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
- ◆ Local web-based(Syslog serve)BSD remote syslog
- ◆ WDS link quality indicator
- ◆ Remote log by SNMP trap
- ◆ Firmware upgrade via HTTP
- ◆ 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 Band	802.11b/g ISM band 2.427~2.442 GHz (CH4~CH7)
Operating Frequency	907~922MHz
Modulation	802.11 g OFDM 802.11 b CCK (11/5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
Transmit Power	802.11 b 28dBm Max@6Mbps, 24dBm Max@54Mbps 802.11 g 25dBm Max@6Mbps, 21dBm Max@54Mbps
Receiver Sensitivity	Sensitivity@Packet Error Rate:10% 54Mbps:~-72dbm ,48Mbps:~-75dbm 36Mbps:~-81dbm ,24Mbps:~-84dbm 18Mbps:~-88dbm ,12Mbps:~-91dbm 9Mbps:~-91dbm ,6Mbps:~-92dbm

### Physical

Dimensions	234mm (L) x 170mm (W) x 63mm (H)
Weight	1580g

### Environmental

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

### Power supply

Power over Ethernet	Input 48V DC/1A
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### Ordering information

IWE1700-Ag589	900M Outdoor NLOS AP w/POE, Output power 500mW, IP68
IWE1700-Ag559	900M Outdoor NLOS AP w/POE, Output power 500mW, IP65