

# IWE3200-Gg

## IEEE802.11g HotSpot Access Gateway

# interepoch



### Multi-Function, All-in-One Wireless HotSpot Access Gateway for Wireless Public HotSpot Applications

#### Wireless Access Point

The IWE3200-Gg has reliable performance and comes loaded with features making it the ideal wireless access solution for mobile users in public areas. The IWE3200-Gg is fully compatible with any Wi-Fi certified wireless LAN clients and provides anywhere, anytime wireless connectivity for mobile users who want to share files, send emails or access the Internet.

#### Wireless Gateway

The IWE3200-Gg can also be deployed as a xDSL/Cable modem gateway. The IWE3200-Gg offers up to 4 LAN ports or up to 2 WAN ports. Multiple WAN ports allow 2 separate xDSL/Cable modem connections or handle outbound loadbalancing and bandwidth aggregation. The multiple WAN connections can be configured to provide a redundant link to ensure "always on" connectivity. Plus, the fully supported WDS (Wireless Distribution System) bridge feature joins different LAN segments that are physically separated to form a complete wireless network. Up to 6 WDS bridge links are supported while it simultaneously functions as an AP which enables wireless LAN segments to be connected that otherwise could not in a traditional wired network.

#### Sturdy Security

The IWE3200-Gg 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. Additionally, both WEP and WPA security standards are supported.

#### Deploy Public WLANs

The IWE3200-Gg HotSpot Gateway enables Telecom operators, Wireless ISPs, governmental departments, educational institutions or small-to-medium businesses to deploy WLANs with ease. The IWE3200-Gg boasts secured user authentication, authorization, and accounting settings that are supported via 802.1x / RADIUS or by a local database built into the unit that can host up to 2000 entries.

#### One-Box Solution for Wireless Hotspot

The IWE3200-Gg Hotspot Gateway provides a secure, easy-to-install and manage HotSpot solution for small business in one box. The IWE3200-Gg includes a number of features that make it the perfect solution for a wide variety of "HotSpot" environments such as coffee shops, hotel lobbies, or small to medium exhibition areas.

The IWE3200-Gg also features the ability to display a specified web banner or web page for added commercial and advertisement exposure when a user logs into the network.

The IWE3200-Gg HotSpot Gateway has an optional billing print out function so venues can print a receipt for customers who are charged a fee to have Internet access. The Mini-POS Ticket Printer (IWE810-POS) can print out information on the receipt such as logon username, password, SSID, security method, and encryption key. To issue tickets, simply enter the access time duration using the keypad.



Optional: IWE810-POS mini-POS Ticket Printer



Wireless Your Business, Wireless Your Life

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### 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.



**IWE810-POS mini-POS Ticket Printer Specifications:**

- Direct Line Thermal Printing
- Keypad for client time / rate configuration
- High Resolution 203 dpi
- High Speed Printing - 5 in./Sec.
- RS - 232 Interface



### Technical Specifications

#### Key features

##### Wireless

- IEEE 802.11b/g compliant
- WDS - static bridging
- Transmitter power level control
- Associated wireless clients status
- Data rate settings

##### Security

- 64/128-bits WEP
- WPA-PSK(TKIP/AES) / IEEE 802.1x
- WPA2-PSK(TKIP/AES) / IEEE 802.1x
- MAC address based access control
- VPN passthrough
- Wireless client isolation

##### Auto Recovery

- Periodical restart every day
- Hardware watchdog timer

##### Networking

- Multiple DSL/Cable connections support
- 2-WAN load-balancing
- 2-Link redundancy/back-up
- Bandwidth management (By IP/MAC)
- DHCP client & server
- Packet filtering
- Stateful Packet Inspection (SPI)

##### Management

- Authenticated users status table
- LAN device management
- SNMP v1 & v2
- SNMP Traps: standard and private
- MIB II, IEEE 802.11 IEEE 802.1d, IEEE 802.1x, and private enterprise MIB
- System log
- Firmware upgrade via HTTP and TFTP
- Configuration backup & restore
  - By NAT port mapping
  - By PPTP and virtual second LAN

##### AAA

- Web-redirected based authentication
- SSL username/password protection
- Compliant with most RADIUS standards (Microsoft IAS, Cisco ACS, Funk Odyssey, Funk Steel Belted, Linux FreeRADIUS, IT Cousult 2000 WinRADIUS, Alepo RADIUS.
- Airpath approved, Pronto Silver Level certified, and iPass GIS client support
- Internal/External Web authentication pages support
- Advertisement links
- Unrestricted client access
  - Walled garden

##### Transparent Access

- Zero client reconfiguration (Any IP)
- DNS/SMTP proxy
- H.323 passthrough

#### Interface

Ethernet	IEEE 802.3u 10/100 BaseTX Ethernet (Waterproof Mini-DIN) with Power-over-Ethernet
Antenna	One 2.4GHz rubber R-SMA detachable antenna
COM	RS-232 port

#### Wireless

Frequency	2400 to 2483.5 MHz, Direct Sequence Spread Spectrum (DSSS)
Data Rate	OFDM@54/48/36/24/18/12/9/6Mbps, CCK@11/5.5Mbps, DQPSK@2Mbps and DBSK@1Mbps
Channels	USA: 1-11 (FCC), Canada: 1-11 (IC), Europe: 1-13 (ETSI), France: 10-13, Japan: 1-14
Transmitter Output Power	<b>802.11b</b> >= 17 dBm <b>802.11g</b> 6/9Mbps >=17dBm, 12/18Mbps >=15dBm, 24Mbps >=14dBm, 36Mbps >=14dBm, 48Mbps >=12dBm, 54Mbps >=12dBm
Receive Sensitivity	<b>802.11b</b> 8% PER @ 1Mbps<=-91dBm, 8% PER @ 2Mbps<=-89dBm, 8% PER @ 5.5Mbps<=-85dBm, 8% PER @ 11Mbps<=-83dBm <b>802.11g</b> 10% PER @ 6Mbps<=-86dBm, 10% PER @ 9Mbps<=-87dBm, 10% PER @ 12Mbps<=-84dBm, 10% PER @ 18Mbps<=-82dBm, 10% PER @ 24Mbps<=-79dBm, 10% PER @ 36Mbps<=-75dBm, 10% PER @ 48Mbps<=-69dBm, 10% PER @ 54Mbps<=-68dBm

#### Physical & LEDs

Dimensions	220mm (L) x 142mm (W) x 40mm (H)
LEDs	Power, LAN Link/ACT, RF Link/ACT, System alive

#### Environmental

	Temperature	Humidity
Operating	0-50°C	5%-95% (non-condensing)
Storage	-20-70°C	5%-95% (non-condensing)

#### Power supply

Operating Voltage	DC +12V
Power over Ethernet	IEEE 802.3af compliant (Power Dsine certified optional)

#### Ordering information

IWE3200-Ggpa	2 WLAN 802.11g Access Gateway, W/PoE
IWE3200-Hgxa	2 WLAN 802.11g Hotspot Gateway Kit (Gateway+IWE810-POS), W/PoE
IWE810-POS	mini-POS Ticket Printer

#### Vendor's Disclaimer Statement

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