

HGE/HGW210 Series

802.11g 2WAN HotSpot Access Gateway



AirEpoch



◀ Multi-Function Access Gateway for Wired or Wireless Public HotSpot Applications

Wireless Access Point

The high performance and stability provides easy wireless access solution for mobile users in public areas. The HGW210 Series is fully compatible 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. The HGE210 Series is exactly the same device but without the wireless features.

Sturdy Network Security

The HGW210 Series can authenticate and authorize wireless users in organizations, enterprises, or public areas by the IEEE 802.1x standard. Additionally, both WEP and WPA security standards are supported. The HGE210 and HGW210 Series communicate with a backend RADIUS (Remote Authentication User Dial In Service) server to see if a user is allowed to access the network. The Access Gateways also have MAC access controls, walled gardens and SSL username/password support.

Wired / Wireless Gateway

The AirEpoch Access Gateways can also be deployed as a xDSL/Cable modem gateway. Both models offer 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 HGW210 Series fully supports WDS (Wireless Distribution System) bridge feature to join different LAN segments that are physically separated to form a complete wireless network. Up to 6 WDS bridge links are supported.

One-Box Solution for Wireless Hotspot

The HGW210 Series provides a secure, easy-to-install and manage HotSpot solution for small business in one box. By including a number of features such as web redirection, user account monitoring and bandwidth controls, the HGW210 Series is the perfect solution for any variety of public access or "HotSpot" environments.

Deploy Public WLANs

The HGW210 Series 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!

The Access Gateway 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 AirEpoch Access Gateways have 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 (AEX110) 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.



About Us

AirEpoch's range of products reflects our commitment to develop innovative, wireless communication solutions that will exceed our clients requirements. We are passionate in our pursuit of ensuring that quality, reliability and leading-edge technologies are attributes successfully incorporated into each and every product.

Our efforts are focused on bringing to the Home and SME markets products that will enable the ever increasing benefits of broadband access to be realized.

We truly believe wireless communication is for everyone - whenever, wherever. Get AirEpoch and get untangled!

Optional Accessory



AEX110 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

Specifications

Wireless

- ◆ IEEE 802.11b/g compliant
- ◆ WDS - static bridging
- ◆ AP client - dynamic bridging
 - * AP browsing with signal strength
 - * Preferred ESSID/BSSID selection
- ◆ Transmitter power level control
- ◆ Associated wireless clients status
- ◆ Data rate settings

Security

- ◆ 64/128-bits WEP
- ◆ WPA-TKIP / IEEE 802.1x
- ◆ MAC access control and ACL
- ◆ VPN passthrough
- ◆ Wireless client isolation

Auto Recovery

- ◆ Link integrity detection
- ◆ 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 re-direction 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	802.11b >= 17 dBm 802.11g 6/9Mbps >=17dBm, 12/18Mbps >=15dBm, 24Mbps >=14dBm, 36Mbps >=14dBm, 48Mbps >=12dBm, 54Mbps >=12dBm
Receive Sensitivity	802.11b 8% PER@ 1Mbps<=-91dBm, 8% PER@2Mbps<=-88dBm 8% PER@5.5Mbps<=-85dBm, 8% PER@11Mbps<=-83dBm 802.11g 10% PER@ 6Mbps<=-88dBm, 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° ~ 55° 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)

Related Products

AEX110 Mini-POS Ticket Printer; AEX100 Single port Power-over-Ethernet Injector

Ordering Information

HGE210-E	2WAN Ethernet Hotspot Gateway w/PoE enabled
HGW210-E	2WAN 802.11g Hotspot Gateway w/PoE enabled

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