

# OvisLink

## ***IWE 3200-H Series 802.11g 2.4GHz 54Mbps HotSpot Gateway***



OvisLink **IWE3200-H** HotSpot Gateway series is high performance, 54Mbps multi-function wireless Bridge product. Based on *IEEE 802.11g technology*, it provides both Access point and Bridge features at a cost effective way for mobile users to connect to their corporate Ethernet-based LANs.

**IWE3200-H** HotSpot Gateway series enables Telco, operators, wireless ISPs, enterprises, government institute, or schools campus to deploy WLANs with secured user authentication support. It can easily generate the user log on/off information for back-end billing systems for billing, or user access log status tracking purpose, which is very useful and demanded function for the environment requires highly security deployment, such as government institute, bank, or military campus.

In addition, the **IWE200-H** HotSpot Gateway series can support 2 DSL/CATV connections, so it can supports the **out-bond load-balancing** and bandwidth aggregation. The multiple WAN connections provide the failed-over and back-up capability to guarantee the 'always-on-line' connections.

Mover over, it provides standard *WDS (Wireless Distribution System)* bridges function to joint the LAN segments that may be far separated (e.g., in two buildings, or in campus) to a complete network. Up to 6 WDS bridge links to work with AP function simultaneously, it allow the LAN segments can be flexibly connected to setup any network topology which the traditional wired network can be achieved.

**IWE3200-H** HotSpot Gateway also support the billing print-out function, so HotSpot Venue can print a ticket for temporary user who will only need the fractal time for internet access in HotSpot Venues. OvisLink also provides the optional **IWE800-POS HotSpot mini-POS** for ticket printing and device control.

For the environment or location where the power is difficult to get, **IWE3200-H** HotSpot Gateway series provides the optional POE function that compliant with the IEEE802.3af standard also provide the flexible power input via Ethernet cable in some particular environment. OvisLink provides the **IWE500-INJ POE Injector** for POE application.

The flexible R-SMA detachable antennas can be replaced with high-gain directional/omni-directional antennas for different purposes. All in all, the **IWE3200-H** HotSpot Gateway series is the best solution for flexible and security wireless application of SOHO, SME, Enterprise, HotSpots, ISP, Telco operators



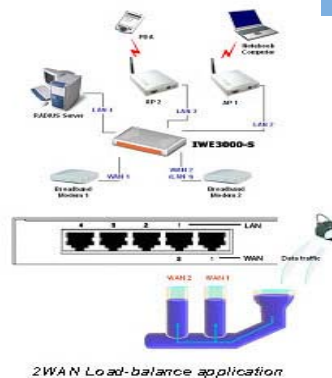
IWE800-POS



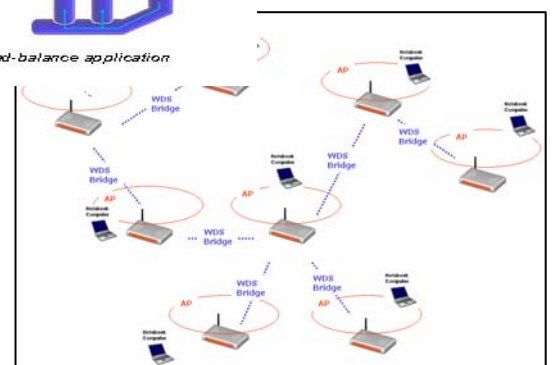
IWE500-INJ  
POE Injector

## Key Features

- DSL/Cable Modem Support
- 2 DSL/Cable connections support:
- Out-bond traffic load-balancing
  1. Bandwidth aggregation
  2. Broadband line 'failed-over' Redundancy / backup
- Configuration Reset
- User Authentication, Authorization, and Accounting (AAA)
  1. 802.1x / RADIUS
  2. Web redirection
  3. Built-in with 2,000 user database for local internet service authentication.
  4. 200 concurrent on-line users supported.
  5. Support IWE800-POS to generate the user account and billing information.
- Authentication Web Page Redirection
  1. Local page (user customization)
  2. Remote web server
- Internet Connection Sharing
  - o DNS proxy



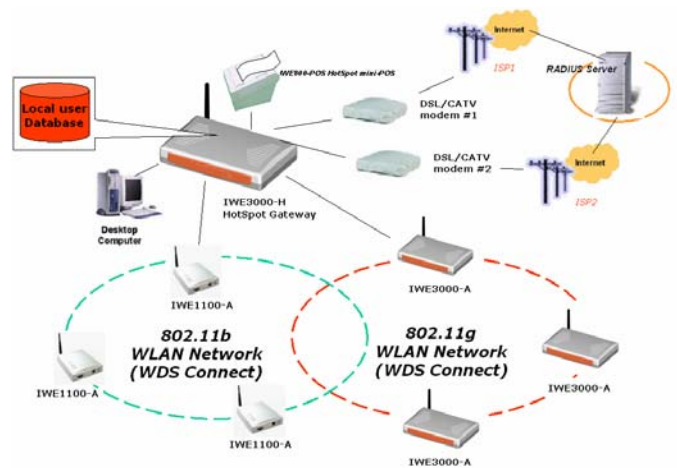
2WAN Load-balance application



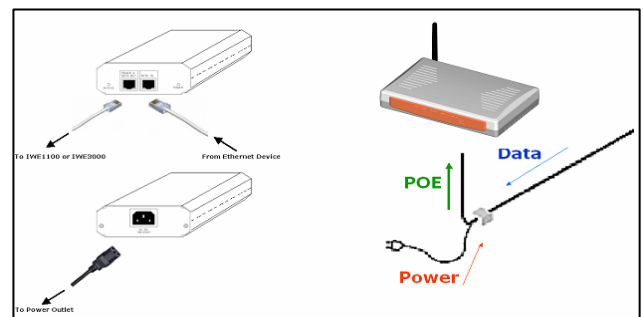
WDS (static wireless bridge) application

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- **Static DNS mappings**
  - Dynamic DNS (DDNS) Supported
  - **Static DNS mappings**
  - DHCP server
- Static DHCP mappings
- Showing current DHCP mappings
  - NAT server
- Virtual server
- PPTP, IPsec pass-thru
- DMZ (DeMilitarized Zone)
- **Multiple public IP addresses support**
- H.323 passthrough
- MSN Messenger support
- V.90/ISDN Modem Support with auto-dial
- Wireless IEEE 802.11b/g
  - 802.11b/g 11Mbps Access Point
  - Support 54/48/36/24/18/12/9 /6Mbps at OFDM; 11/5.5Mbps at CCK; Legacy 2/1Mbps data rates auto fall back.
  - WPA ( 802.1x EAP / TKIP ) compliant
  - 64/128 bit WEP
  - Enabling/disabling SSID broadcasts
  - **WDS for 6 wireless bridge link (Static Bridging)**
  - **Transmit power control**
  - **Wireless client isolation**
  - **AP wireless Load-balancing**
- **System status monitoring**
  - Wireless client monitoring
  - Authenticated user monitoring
  - DHCP mapping status monitoring
  - Incoming/Outgoing session list monitoring
  - LAN Device monitoring / alive checking
- Network Security / Firewall supporting ---
  - MAC address filtering
  - Packet address and port filtering
  - URL filtering
  - WAN ICMP requests blocking
  - Stateful Packet Inspection (SPI) Firewall :  
IP-Spoofing, Zero IP Length, Land, Smurf, Fraggle, Tear drop, Ping of Death, Syn-Flood, X-tree
- Changeable MAC Address of the Ethernet WAN Interface (MAC cloning)
- Operation Time Zone setting
- Firmware Upgrade
  - 3 firmware upgrading method :
    - **Xmodem-based**
    - **TFTP-based**
    - **HTTP-based**
  - Configuration setting backup/restore
- Management
  - Web-based Network Manager
  - **LAN Device Management**
  - SNMP: MIB1, MIB2, Enterprise MIB, Private MIB
  - Local system log
- **Hardware Watchdog Timer**



**Enterprise / HotSpot application**



**POE application**

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## Hardware Specifications :

<b>Standards</b>	IEEE 802.11g 2.4GHz 54Mbps for WLAN IEEE 802.3u 10/100BaseTX for Ethernet LAN
<b>Spreading</b>	DSSS (Direct Sequence Spread Spectrum)
<b>Security</b>	64/128bit WEP Encryption WPA (802.1x / TKIP)
<b>Frequency</b>	2.402 ~ 2.472 GHz (North America) 2.402 ~ 2.4970 GHz (Japan) 2.402 ~ 2.4835 GHz (Europe ETSI) 2.4465 ~ 2.4835 GHz (France)
<b>Operating channels</b>	USA (FCC): 1-11 Canada (IC): 1-11 Europe (ETSI): 1-13 France: 10-13 Japan: 1-13 (TELEK) / 1-14 (MKK)
<b>Operating range</b>	Open Space: 100-300m Indoor: 35m-100m
<b>Supported bit rate</b>	OFDM@54/48/36/24/18/12/9/6Mbps, CCK@11/5.5Mbps, QPSK@2Mbps and BPSK@1Mbps
<b>High performance</b>	Automatic Scale Back Functionality, long (short) preamble
<b>Transmit (output) power</b>	Peak 13 ~ 18dBm
<b>Receiver sensitivity</b>	Better than -65 ~ -80dBm
<b>Port characteristics</b>	LAN port (10/100Base-TX): RJ45 * 5 (Auto-crossover) COM port: RS232 * 1
<b>Antenna system</b>	Provide one 2.4GHz rubber SMA detachable antenna
<b>Network protocols</b>	TCP/IP, NetBIOS, IPX/SPX, NetBEUI, AppleTalk
<b>LED indicators</b>	Power, LAN Link/ACT, RF Link/ACT, System Alive
<b>Power adapter input</b>	AC 100~120V 50~60 Hz, 400mA MAX Output: DC 12V, 1.0A
<b>Dimensions</b>	220 x 142 x 40 mm
<b>Temperature range</b>	0~55° (Operating), -20~70° (Storing)
<b>Humidity Max.</b>	5%~95% Non-condensing in storage
<b>Certification</b>	FCC part 15 class B in US, ETSI 300.328 and CE EMC-EEC in Europe

### ■ Vendor's Disclaimer Statement

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