HWF 1310

Main Features

- IEEE 802.11b/g/n sigle RF 2.4GHz 2 x 2 MIMO AP
- Access management by flexible Accounting and Billing
- Standard-based data encryption and user authentication: WEP, WPA, etc.
- Secure guest and administrator access using web-based login and administration over SSL
- Easy operation design: WES, TAS and Quick print
- Support various broadband connection deployment options (T1, DSL, Cable) via static IP, DHCP, PPPoE, or PPTP
- Daily, weekly, and monthly billing reports

Product Overview

Wireless internet access is already a part of hospitality service in public locations, such as coffee shops, restaurants, hotel lobbies, convention centers or airport terminal. NEXCOM offers the ready-to-go Hotspot Wi-Fi solution covering access management AP and ticket generating.

The HWF 1310 Wireless Hotspot Gateway is intentionally design for stores without any IT background to setup wireless internet services. This solution does not require complicated equipment, nor does it requires difficult IT knowledge during the deployment. The access management function includes multiple fare, guest policy and roaming across different sites. User account is another challenge in hotspot management. The system is capable to maintain 2000 on-demand accounts and 500 local accounts.

In setup and maintenance perspective, the system provides rich helpful functions. A special function called 'press-n-connect' feature that you can setup a mesh network within 30 seconds simply by press a WES (Wireless Easy Setup) button. This function helps you expand the AP to where Ethernet cabling is not an option. A similar handy design is the TAS (Terminal Auto Setup) that automatically connects to the policy generator to hotspot gateway simply by press a button. To help owner checking the operation status, the system also provide log for system activities, report for account's details with flexible options, and daily/weekly/monthly billing report.

NEXCOM's hotspot turnkey solution includes hotspot AP HWF 1310, and accessories with HWF-S200 the generator for multiple fare access policy, and HWF-P200 thermal printer, together with a completed access management. In a multiple service store, the access fare can be different from free to multi-level fare. NEXCOM's solution provides different levels of access management function such as user grouping, multiple access zone including public zone and private zone. User account is another challenge.

Specifications

Networking

- Support IPv4/IPv6 dual stack
- Support Router, NAT mode
- Support static IP, DHCP, PPPoE , and PPTP on WAN
- Support IP Plug and Play (IP PnP)
- Built-in DHCP Server and support DHCP Relay
- Support NAT:
  (1) DMZ Server Mapping
  (2) Public Accessible Server
  (3) Port and IP Redirect
- Configurable static route
- Support email service via designated email server
- Support Walled Garden/Walled Garden Ad List to post advertisement website links on user login portal page
- Support MAC Address Pass-Through
- Support account roaming
- IGMP Snooping

Security

- Support security standards: WEP (64/128/152 bits) and WPA-PSK TKIP & AES Cipher auto negotiation
- Support VPN Pass-Through (PPTP)
- Support Layer 2 isolation
- Layer 2/3 Firewall (incl. DoS Protection)
- IP/MAC/IPv6 privilege list
- Configurable user Black List (5 sets by 20 MAC address)
- LAN port mapping to Private Zone and Public Zone

User Management

- Support 500 local accounts
- Support 2000 on-demand accounts for visitors

- Support multi-level administrative management
- Simultaneous support for multiple authentication methods (Local, RADIUS*2, On-demand, and Free/Trial)
- Policy-based access control (per-role assignments based on Schedule Firewall Policies, Routing, Login Schedule, Bandwidth and Session)
- User Session Management:
  (1) SSL protected login portal page
  (2) Session idle timer
  (3) Session and account expiration control
  (4) Login time frame control
  (5) Session limit
- Import/Export local and on-demand accountsSupport VPN Pass-Through (PPTP)

Monitoring and Reporting
- Online status monitoring of users
- Uplink (WAN) connection failure alert
- Support SYSLOG server for diagnosis and troubleshooting
- Support User Logs for traffic recording
- Support user traffic session (TCP/UDP) logging
- Http/Session/User/Configuration Change/Traffic/… Logs

System Administration
- Web-based management UI
- Customizable login and logout portal page
- SSH remote management
- Remote firmware upgrade
- Console management
- NTP time synchronization
- Backup and restore the system configuration
- SNMP v1/v2c
- Press-n-Connect WES (Wireless Easy Setup)

Accounting and Billing
- Provide billing plans for On-demand accounts
- Four On-demand account types: Usage, Duration, Volume, and Hotel Cut-off
- Support ten Wireless Policy generator
- Session expiration control for On-demand accounts
- Detailed per-user traffic history based on time for both local and On-demand accounts
- Traffic history report in an automatic email to administrator
- Support credit card payment via external payment gateway (Authorize.Net, PayPal, SecurePay, WorldPay)
- Support RADIUS accounting
- Support RADIUS VSA for volume-based quota of an external RADIUS server
- On-demand account batch creation
- Report by Send automatic e-mail: User Log, On-demand User Log, On-Demand Billing Log and Monitor IP status respectively

Wireless Radio Specifications
- Wi-Fi standard: IEEE 802.11n/b/g in 2.4GHz frequency band
- Modulation: OFDM, DSSS, CCK
- Wireless Interface: 1 x 802.11 n/b/g (300/11/54 Mbps)
- 2 x 5dBi detachable (RP-SMA Connector) replaceable Antenna
- RF output power: up to 100mW
- Number of multiple SSIDs: 2
- Number of WDS links: 2

Hardware Specifications
- Metal case compliant with IP30 Standard
- WAN Port: 1 × 10/100/1000 Base-T
- LAN Port: 4 × 10/100/1000 Base-T
- Console Port: 1 x DB9M
- USB Port: 1
- Quick Print Button ×1 , WES Button x 1, Reset Button, x 1
- LED Indicators: 1 × Power, 1 × Status, 1 × WLAN, 1 × WAN, 4 × LAN, 1 × WES, 1 × USB

Physical and Power
- Power adaptor (included)

A. AC Input: 100~240 VAC, 50~60 Hz DC

B. Output: 5V, 2A
- Form factor: Wall Mountable
- Dimensions (W x D x H): 220 x 130 x 42mm
- Weight: 820g

Environment
- Operation Temperature: 0 to +60℃
- Storage Temperature: -10 to +80℃
- Operation Humidity: 10% to 90% (Non-condensing)
- Storage Humidity: 5% to 90% (Non-condensing)

Certifications
- CE
- RoHS compliant

Package Contents
- HWF 1310 x 1
- CD-ROM (User's Manual and QIG) x 1
- Power Adaptor x 1
- Detachable Antenna x 1
- Console Cable x 1
- Ethernet Cable x 1

HWF-S200 Policy Generator (Optional)
- Number of Ethernet Ports: 1 x RJ-45
- Throughput: 10/100 Mbps
- Wireless Interface: IEEE 802.11 b/g/n (2.4GHz)
- Detachable Antenna: 1 x SMA connector
- Serial Standards: RS-232, DB-9M
- Baud Rate: 9600 bps
- Configuration Option: Web management
- Buttons: TAS, Reset
- Dimension (L x W x H): 165 x 82 x 25mm
- Weight: 0.4kg (0.83lbs)
- Power:
  AC Input: 100~240 VAC, 50~60 Hz
  DC Output: 5V, 2A

HWF-P200 2" Thermal Printer (Optional)
- Print Method: Thermal Line Printing
- Print Speed: 52mm/sec
- Print Density: 384 dots/line or 8 dots/mm
- Paper Width: 57.5±0.5mm
- Interface: Serial (RS-232C)
- ASCII code: 12*24 dots
- Graphic font: 24*24 dots
- Power Supply: +8 VDC/3.5A
- Operating Temperature: 0℃ to 50℃
- Storage Temperature: -20℃ to 60℃
- Dimension (L x W x H): 185 x 114 x 90mm
- Weight: 900g

Ordering Information
- **HWF 1310-CE (P/N: 10T00131000X0)**
- **HWF 1310-US (P/N: 10T00131001X0)**

* Specification is subject to change without notice