Wireless N Hotspot

Perfect for

- Providing WiFi access for a large number of users
- On-demand WiFi access for customers, visitors and staff based on time or data used
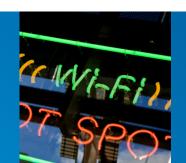- Providing a billable WiFi service with online payment options

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KEY FEATURES

- Wireless 802.11b/g/n Access Point - Ideal for the Setup of Commercial Wireless Hotspots
- 2x Antennas (MIMO) for Wireless Data Speeds up to 300Mbps[1]
- Robust Wall-mountable, Dust-proof (IP50) Metal Housing
- 1x Gigabit Ethernet WAN Port
- 4x Gigabit Ethernet LAN Ports
- Industrial grade Strength and Resistance - Extended Operational Temperature -30 to 70°C
- Standard-based Data Encryption and User Authentication
- Integrated AAA Support (Authentication, Authorization and Accounting)
- Setup of On-Demand Accounts for Visitors
- Four on-demand account types: usage, duration, volume and company cut-off
- Policy-based Access Control, User Session Management, Per-User Bandwidth Control
- Various Payment Options: Credit Card, Secure Pay and PayPal Billing
- Web-based User Interface and Integrated Advanced Security Features
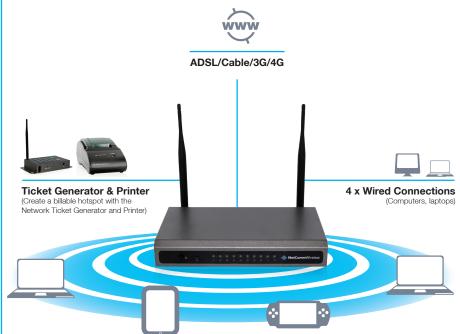- Remote Management and Firmware Upgrade

NetCommWireless

HS1200N

Wireless N Hotspot

SPECIFICATIONS

NETWORKING
- Supports IPv4 dual stack / IPv6
- Supports Router, NAT mode, static IP, DHCP, PPPoE , and PPTP on WAN
- Built-in DHCP Server and support DHCP Relay
- Supports NAT: DMZ,) DMZ Server Mapping, Public Accessible Server, Port and IP Redirect
- Supports email service via designated email server
- Supports Walled Garden/ Walled Garden Ad List to post advertisement website links on user login portal page
- Supports MAC Address Pass-Through, Account roaming and IGMP snooping

SECURITY
- Supports security standards: WEP/WPA-PSK TKIP & AES
- Supports VPN Pass-Through (PPTP), Layer 2 isolation and Layer 2/3 Firewall (incl. DoS Protection)
- IP/ MAC/ IPv6 privilege list and configurable user Black List

USER MANAGEMENT
- Supports 500 local accounts and 2000 on-demand accounts for visitors
- 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

MONITORING AND REPORTING
- Online status monitoring of users, User Logs for traffic recording, user traffic session (TCP/UDP) logging
- Uplink (WAN) connection failure alert, Supports SYSLOG server for diagnosis and troubleshooting, Event log

SYSTEM ADMINISTRATION
- Web-based management UI, Customizable login and logout portal page
- SSH remote management, Remote firmware upgrade, SNMP v1/v2c, NTP
- Console management
- Backup and restore the system configuration

ACCOUNTING AND BILLING
- Provide billing plans for On-demand accounts
- Four On-demand account types: Usage, Duration, Volume, and Hotel Cut-off
- Supports ten Wireless Ticket Generators (WTGs)
- 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
- Supports credit card payment via external payment gateway (Authorize.Net, PayPal, SecurePay, WorldPay)
- Supports RADIUS accounting
- Supports RADIUS VSA for volume-based quota of an external RADIUS server
- On-demand account batch creation
- Send automatic e-mail to report User Log, On-demand User Log, On-Demand Billing Log and Monitor IP status respectively

WIRELESS RADIO SPECIFICATIONS
- WiFi standard: IEEE 802.11n/b/g in 2.4GHz frequency band
- Modulation: OFDM, DSSS, CCK
- 2 x 5dBi detachable (SMA Connector) replaceable Antennas
- RF output power: up to 100mW
- Number of multiple SSIDs: 2
- Number of WDS links: 2

HARDWARE SPECIFICATIONS
- Metal case compliant with IP50 Standard
- WAN Port: 1 × 10/100/1000 Base-T
- LAN Port: 4 × 10/100/1000 Base-T
- Console Port: 1 x DB9M
- 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

ENVIRONMENT
- Operation Temperature: -30 ~ 70 °C (-22 ~ 158 °F)
- Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)
- Operation Humidity: 10% ~ 80% (Non-condensing)
- Storage Humidity: 5% ~ 90% (Non-condensing)

ADSL/Cable/3G/4G

Ticket Generator & Printer
(Create a billable hotspot with the Network Ticket Generator and Printer)

4 x Wired Connections
(Computers, laptops)

The NetComm Wireless HS1200N Wireless N Hotspot enables any business to setup a hotspot location offering a wireless Internet connection for up to 100 users at a time.

By creating a high-speed and secure wireless connection with integrated support for user authentication, authorisation and accounting, the HS1200N fulfils the needs of a public wireless network.

The hotspot supports advanced wireless security while at the same time supporting VPN pass-through, Denial of Service attack protection and configurable user black listing.

Administration and management of the hotspot is both easy and detailed with a complete authentication mechanism that blocks unauthenticated users from gaining access to the network, an "online user list" that monitors the real time status of each user and session control by time and data volume.

The HS1200N is easy to install and operate. It achieves immediate compatibility with existing network configurations and uses the Network Ticket Generator to provide user accounts for visitor-based, on-demand operations.

1   Maximum wireless signal rate and coverage values are derived from IEEE Standard 802.11g and 802.11n specifications. Actual wireless speed and coverage are dependent on network and environmental conditions included but not limited to volume of network traffic, building materials and construction/layout.