

internet access **where** you need it,
when you want it

NetComm Wireless Hotspots
HS960

NetComm[®]
www.netcomm.com.au

- Customer friendly – easy walk in, pay & connect service
- Proactively market your business while customers are online
- Works with any wireless enabled laptop or PDA
- Secure access for customers to connect to your network

Demand for **high speed Internet** access in locations outside the home or office is growing rapidly. Creating a **fresh opportunity** for those who can meet these market demands.

This fast paced environment is creating opportunities for new venues such as cafes, carwash cafes, waiting rooms, libraries and public areas to offer wireless internet and to generate additional revenue through offering this service.

How will a hotspot benefit my business?

You can create an additional revenue source for very little cost, selling casual Internet access to customers who use a wireless Notebook or handheld PDA.

The NetComm Hotspot offers you the ability to list up to 10 sites that users can view without needing to pay, which you could sell off as advertising to other companies for additional revenue.

Your printer receipt can be customised with messages to identify your location, provide messages to customers or advertise services, as can your log in page and pop up advertising.

What is a Hotspot?

NetComm's Hotspot solutions are wireless gateways that come with built-in accounting, authentication and access (AAA). The hotspot connects to a modem and to your broadband connection, and will broadcast a wireless signal that provides Internet connection for up to 100 users at a time from a single location.

How does a Hotspot work?

The NetComm Hotspot comes with a built-in accounting and billing system that allows you to sell Internet access in blocks of minutes, hours or days. You set the rate, you sell the time and you collect the cash.

A printer is included and is used to generate user names and passwords and to print receipts. The three buttons correlate to three time and price settings, these are flexible and you choose what you would like to charge and for how much time.

To ensure fast and efficient processing of sales you don't have to worry about calculating costs, just punch the buttons for the required amount of access time and out prints the receipt which includes user name, password, time purchased and price.

NetComm's Hotspots take advantage of IP Plug and Play technology, which instantly recognises a new user and all TCP/IP configurations. User IP addresses are setup automatically, which means your customers do not need to adjust the settings or alter the configuration of their wireless Notebook or handheld PDA.

When the users time expires the NetComm Hotspot will disconnect their computer from the internet.

How secure is a hotspot?

NetComm's Hotspots use in-built Layer 2 security, which prevents a user from accessing another users data traffic. Built-in SSL login provides safe and secure authentication protection at all times. What's more, VPN pass through allows your customers to securely connect to their own office network.



How does a customer use my NetComm Wireless Hotspot

Once you have your Hotspot installed, it will broadcast a wireless signal which can be found by any wireless enabled notebook or PDA. Your Hotspot can be found by using the **search for wireless networks** function

Coverage and Customisation

A standalone device will cover up to 150 metres. To increase this coverage range for larger sites or those with complex infrastructure, the hotspot range can be extended through the use of wireless boosters as well as internal and external antennas.

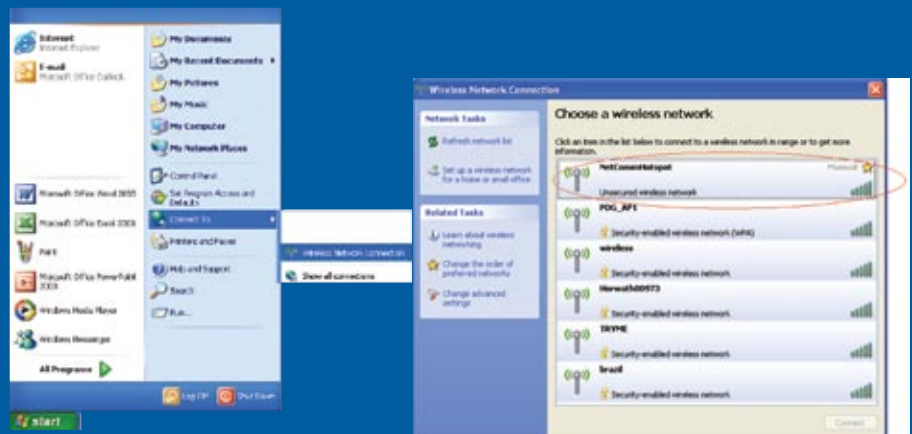
Boosters

NetComm internal booster units are available to amplify the wireless signal. These devices connect directly onto one of the antenna ports of the hotspot and work to increase the range.

Booster units can only be connected to the hotspot and not to an external antenna.

Antenna

NetComm offer antennas which can be used in conjunction with a hotspot. Antennas are for external use and are designed to be wall mounted in an outdoor area to spread the range of the wireless signal.



When the user select this device and connects they will be presented with a log in page on opening their web browser.

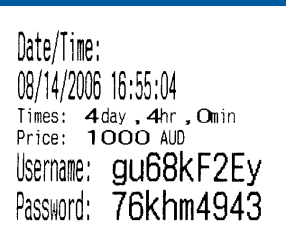


To log in they will need to provide the username and password that has been generated by the printer to be able to log on. The unit is set with the price/time ratios and the unit will count down the time that they have paid for. Should they wish to purchase more time, they simply receive another user name and password.

If the user does not have a user name and password they will be denied access. Using in-built Layer 2 security, users are prevented from accessing another users data traffic or seeing anyone else on the network.

Built-in SSL login provides safe and secure authentication protection at all times. What's more VPN pass through allows your customers to securely connect to their own office network.

The customer will have a pop up window that counts down the time they have remaining and when the time counts down to zero the user will be disconnected from the internet and need to repurchase another set of time to reconnect.



HS960 Front/rear and printer



TECHNICAL SPECIFICATIONS

Network Specification

- IEEE802.3 10BaseT Ethernet
- IEEE802.3u 100BaseTX Fast Ethernet
- IEEE802.11g Wireless LAN 54Mbps
- IEEE802.11b Wireless LAN 11Mbps
- ANSI/IEEE 802.3 NWay auto-negotiation
- Wi-Fi Certified

Compatibility

- All Wi-Fi certificated wireless adapters
- Supports all operation systems

Interface

- Four LAN Ports (10BaseT/100BaseTX Auto cross-over)
- One WAN Port (10BaseT/100BaseT)

Wireless Operation Range

- Open Space: 100~300m
- Indoors: 35~100m

Wireless Data Rate

- Up to 54Mbps with auto fall back with 802.11b

Frequency Band

- 2.4G Frequency Band

Encryption

- 64/128/256-bit RC4 WPA

Modulation Type

- OFDM,DSSS ,BPSK,QPSK,CCK

External Antenna Type

- 2dBi (Max) Dual detachable diversity antenna with reverse SMA
- Typical Maximum power output 17 dBm
- Typical Maximum receive sensitivity -87 dBm

Power Requirement

- External Power Adapter
- Input: 100-240 VAC, 50/60 Hz
- Output: 5V, 2 Amp

LED Indicators

- One POWER LED
- One WAN Link/Activity LED
- Four LAN Link/Activity LEDs
- One Wireless Link/Activity LED
- One System LED

Dimension

- Size: 242(L) x 130.5(W) x 112.6(H)

Environment Conditions

- Operating Temperature: 0 to 50°C
- Storage Temperature: -10 to 60°C
- Humidity: 10%~ 90% non-condensing
10%~80% condensing

Certifications

- FCC part 15 Class B / VCCI Class B
- CE Mark / UL / TELEC / R&TT/C-Tick

Compliance

- RoHS, WEEE

Mounting

- Desktop / Wall mounted

FEATURES

Plug & Play

- Zero End-User Configuration

Concurrent Users

- 100

Rich Networking Functions

- NAT (RFC 1631)
- SMTP Server Redirection
- DNS Redirection
- Static IP WAN connection
- DHCP Client WAN connection
- PPPoE WAN connection
- PPTP Client WAN connection
- DHCP Relay
- Transparent HTTP Proxy Support
- DDNS
- NTP Client

User Accounting and Authentication

- Web-Based Authentication
- RADIUS AAA support (RFC 2865,2866)
- Secondary RADIUS
- User Authentication and Accounting
- Logout Window Timer Control

Security and Firewall

- SSL User Login page/ Configuration page
- Layer 2 Isolation V-Lan Security
- Pass Through IP/MAC/URL address
- VPN (IPSec/PPTP/L2TP) Pass through
- PPTP VPN Client
- 802.1x

Management

- Web-based management tool
- TFTP /HTTP firmware upgrade
- Wizard setup for step-by-step configuration
- Backup/ Restore configuration file
- Remote Authorized Management
- Real-time Session List
- LAN Device Management
- Syslog (System/Subscriber/LAN device)
- E-mail logs
- SNMP v1/v2 (MIB II with traps)

Marketing Cooperation

- Standard login page
- Customizable log-on and log-off pages
- Advertisement URL link
- Wall garden

YOUR NETCOMM DEALER

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