

11g  
54Mbps

**1 YEAR WARRANTY**  
1 year out of the box warranty.



## KEY FEATURES

⊗	802.11g Wireless Access Point
⊗	Integrated AAA support (Authentication, Authorisation and Accounting)
⊗	Multiple authentication methods
⊗	On demand accounts for visitors
⊗	Per-user bandwidth control
⊗	Credit card, Secure Pay and PayPal billing
⊗	Integrated advanced security features
⊗	Easy installation and operation with support for various broadband deployment options

The HS1100 enables any business or office environment to set up a hotspot location offering a wireless Internet connection for up to 100 users at a time.

It integrates AAA support with a high-speed secure wireless connection to fulfill the needs of a public wireless network. The HS1100 supports wireless security standards WEP, WPA-PSK, IEEE802.1x and TKIP, while at the same time supporting VPN pass-through, Denial of Service attack protection and configurable user black listing.

The HS1100 allows effective user management 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 dual-mode 802.11b/g NetComm HS1100 is easy to install and operate. It can immediately achieve compatibility with existing network configurations and works with an instant account generator such as AG400 thermal ticket printer to provide user accounts for visitor-based, on-demand operations.

## TECHNICAL SPECIFICATIONS

### NETWORKING

- Supports Router, NAT mode
- Supports static IP, DHCP, PPPoE, PPTP Dial-up
- Supports IP Plug and Play (IP PnP)
- Supports Inter-subnet roaming
- Built-in DHCP Server and support for DHCP relay

### Supports NAT:

- IP/Port Destination Redirection
- DMZ Server Mapping • Virtual Server Mapping
- Configurable static route • Supports SMTP redirection
- Supports Walled Garden (free surfing zone)
- Walled Garden Ad List enables Ad website links on login portal page • Supports MAC Address Pass-Through
- Supports HTTP Proxy
- Supports Ethernet connection to external terminal servers

### SECURITY

- Supports data encryption: WEP C 64/128/ 152-bit) WPA-PSK (WPA-Trip/WPA2-AES)
- Supports authentication: WPA-RADIUS with cipher suite (WPA-TKIP/WPA2-AES), IEEE802.1x CEAP-TLS,PEAP/MSCHAPv2
- Supports VPN Pass-Through (IPSec and PPTP)
- Supports basic DoS attack protection
- Supports Layer 2 isolation for wireless clients
- Supports MAC Access Control List
- Configurable user Black List
- Allows MAC address and user identity binding for local user authentication

### USER MANAGEMENT

- Supports up to 100 concurrent users
- Supports 500 Local accounts
- Supports 2,000 On-demand accounts
- Simultaneous support for multiple authentication methods (Local and On-demand accounts, POP3, LDAP, RADIUS, NT Domain)
- Policy-based access control (per-role assignments based on Firewall Policies, Routing, Login Schedule, Bandwidth, Quota, and Session)
- User Session Management:
  - SSL protected login portal page
  - Supports multiple logins with one single account
  - Session idle timer
  - Session and account expiration control
  - Notification email to provide a hyperlink to login portal page
  - Supports Single Sign-On for Windows Domain
  - Login time frame control • Session limit

### MONITORING AND REPORTING

- Online status monitoring of users
- IP-based monitoring of devices • WAN connection failure alert
- Supports Syslog server for diagnosis and troubleshooting
- Supports user traffic history logging
- Supports user traffic session (TCP/UDP) logging
- Supports local user monthly usage report

### ACCOUNTING AND BILLING

- Provides billing plans for On-demand accounts
- Enables session expiration control for On-demand accounts by time (hour) and data volume (MB)
- Provides billing reports on screen for On-demand accounts
- Detailed per-user traffic history based on time and data volume for both local and On-demand accounts
- Traffic history report in an automatic email to administrator
- Supports RADIUS VSA (Vendor Specific Attributes) implementation for traffic accounting and session control
- Support credit card payment via external payment gateways (Authorize.Net, PayPal or SecurePay)
- Support PayPal account payment via PayPal

### SYSTEM ADMINISTRATION

- Web-based management UI
- Customizable login and logout portal page
- Support for SNMP v2 • SSH remote management
- Remote firmware upgrade • NTP time synchronization
- Menu driven console management interface
- Utilities to backup and restore the system configuration

### HARDWARE SPECIFICATIONS

- Wireless Chipset: 1 x Atheros 802.11 b/g (11/54 Mbps)
- Detachable Antenna

### PHYSICAL AND POWER

- Form Factor: Mini-book
- Dimensions (W x D x H): 243 mm x 150 mm x 45.5 mm
- Weight: 1.4 Kg • Power: 110~240 VAC, 50/60 Hz

### CONNECTORS AND DISPLAY

- WAN Port: 1 x 10BASE-T/100BASE-TX RJ-45
- LAN Ports: 4 x 10BASE-T/100BASE-TX RJ-45
- Console Port: 1 x RJ-11
- LED Indicator: 1 x Power, 1 x WAN, 4 x LAN, 1 x WLAN

### ENVIRONMENT

- Operating Temperature: 0 ~ 45°C
- Storage Temperature: -25 ~ 55°C

### CERTIFICATIONS

- CE, C-Tick, FCC • RoHS compliant

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## CONNECTION DIAGRAM

