Wireless N Hotspot & Network Ticket Generator

NetComm®

HS1100NPAK

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KEY FEATURES

Wireless N Hotspot HS1100:

- 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

- Robust Wall-mountable, Dust-proof (IP50) Metal Housing

- 1x 10/100 Ethernet WAN Port with Power over Ethernet (IEEE 802.3af)

- 2x 10/100 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

- 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

Smart Device Server SDS-AG1100:

- Triggers the Built-in On-demand Billing Plans inside the Hotspot and Provides Networkability so the Printer can be Placed at Desired Locations

POS Thermal Ticket Printer PRT-AG1100:

- Prints out Account Tickets on Thermal Transfer Paper

Model Code/ Part Number	Description	APN Code
HS1100NPAK	Wireless N Hotspot & Network Ticket Generator Bundle	9317773015102

Wireless N Hotspot & Network Ticket Generator

NetComm®

HS1100NPAK

The combination of NetComm's Wireless N Hotspot HS1100N with the Network Ticket Generator AG1100 enables any business to setup a hotspot location offering a wireless Internet connection for up to 100 users at a time.

This HS1100N integrates the support for user authentication, authorisation, accounting with a high-speed secure wireless connection to fulfil the needs of a public wireless network.

The HS1100N supports advanced wireless security while at the same time supporting VPN pass-through, Denial of Service attack protection and configurable user black listing.

The HS1100N 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 HS1100N is easy to install and operate. It achieves immediately compatibility with existing network configurations and uses the Network Ticket Generator AG1100 to provide user accounts for visitor-based, on-demand operations.

1 Maximum wireless signal rate and coverage values are derived from IEEE Standard 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.

Modem

HS1100N

Data Entry   PRT-AG1100   SDS-AG1100
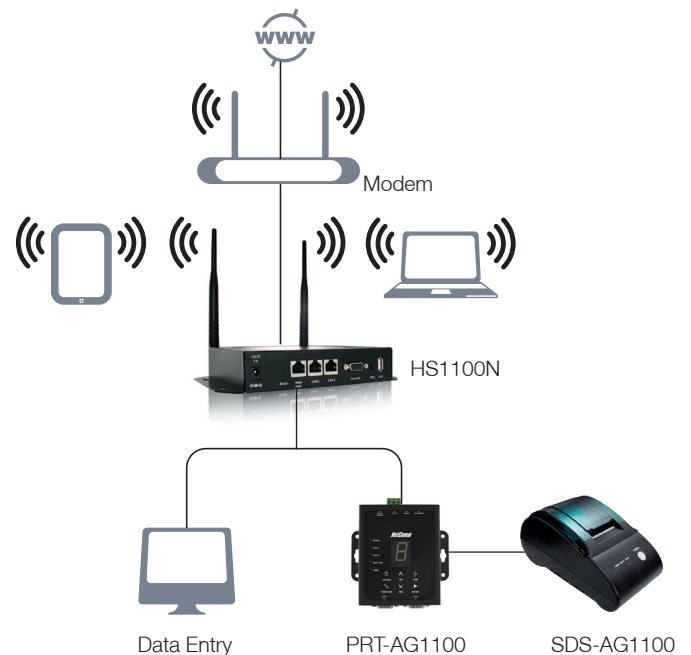
TECHNICAL SPECIFICATIONS

NETWORKING
- Router, NAT mode, Static IP, DHCP and PPPoE on WAN interface
- IP Plug and Play (IP PnP) | DHCP Server, DHCP Relay configurable static route
- Network Address Translation (NAT): DMZ Server Mapping, Public Accessible Server, Port and IP Redirect
- Supports email service via designated email server
- Walled Garden: supports Walled Garden Ad List to post Advertisement website links on user login portal page
- MAC Address Pass-Through | Ethernet connection to external terminal servers

SECURITY
- Security standards: WEP (64/128/152 bits), WPA/WPA2-PSK, IEEE 802.1X, and TKIP & AES Cipher auto negotiation
- VPN Pass-Through (PPTP), DoS attack protection, Layer 2 isolation,
- Configurable user Black List
- MAC Access Control List | MAC address and user identity binding for local user authentication

USER MANAGEMENT
- Supports 100 local accounts and 500 on-demand accounts for visitors
- Simultaneous support for multiple authentication methods (Local, RADIUS*2, and On-demand) and local account roaming
- Policy-based access control (per-role assignments based on Firewall Policies, Routing, Login Schedule, Bandwidth and Session)
- User Session Management:
  (1) SSL protected login portal page
  (2) Support multiple logins with one single account
  (3) Session idle timer
  (4) Session and account expiration control
  (5) Login time frame control
  (6) Session limit
- Import/Export local and on-demand accounts from/to a CSV file

MONITORING AND REPORTING
- Online status monitoring of users, user Logs for traffic recording, user traffic session (TCP/UDP) logging
- Uplink (WAN) connection failure alert, 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
- Console management, NTP time synchronization
- Backup and restore the system configuration

ACCOUNTING AND BILLING
- Provide billing plans for On-demand accounts
- Various on-demand account types: Usage, Duration, and Cut-off
- Session expiration control for On-demand accounts by time
- 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 (PayPal)
- RADIUS accounting; 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, and Monitor IP status respectively

WIRELESS RADIO SPECIFICATIONS
- WiFi 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(US)/2dBi(EU) detachable (SMA Connector) field-replaceable Antenna
- RF output power: 100mW EIRP
- Number of multiple SSIDs: 2; number of WDS links: 2

HARDWARE SPECIFICATIONS
- Metal case compliant with IP50 Standard
- WAN Port: 1 × 10/100 Base-T, PoE compliant with IEEE 802.3af
- LAN Port: 2 × 10/100 Base-T
- Console Port: 1 x DB9
- USB Port: 1
- LED Indicators: 1 × Power, 1 × WAN, 2 × LAN, 1 × WLAN

PHYSICAL AND POWER
- Power Adapter 12V, 1.5A / 100~240 VAC, 50/60 Hz
- Form factor: Wall Mountable
- Dimensions (W x D x H): 204 mm x 134 mm x 35 mm
- Weight: 0.61 kg

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

REGULATORY COMPLIANCE
- C-tick, RoHS compliant

PACKAGE CONTENTS
- NetComm Wireless N Hotspot HS1100N
- NetComm Network Ticket Generator AG1100, comprising:
  - 1x Smart Device Server SDS-AG1100 and
  - 1x POS Thermal Ticket Printer PRT-AG1100

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