NetComm IAC4500
Internet Access Controller

- IP Plug and Play support
- Home Page Redirection
- Supports up to 1024 current users
- RADIUS Client Support
- Flexible deployment - wired and wireless access
- Proprietary Authentication Server
- Inbuilt User Database for local user authentication
- Email Server (SMTP) Redirection

The IAC4500 Internet Access Controller is a rack mountable intelligent gateway which has been designed to be deployed in a broadband service network for high speed access to the Internet. The IAC4500 provides plug and play instant internet access, advanced security and network management.

The IAC4500 is an easy to access intelligent device designed as an integrated solution for deployment of internet access networks, specifically within the Hospitality and Accommodation industries. The IAC4500 can serve up to 1024 concurrent users making it a scalable solution.

With it's IPnP (IP Plug n Play) technology, the IAC4500 immediately recognises new users on the network (and remembers returning users) and redirects their browser to a proprietary Web page. There is no need for users to modify their IP settings to access the Internet and it is compatible with any browser.

After the initial setup and network configuration is established, the product is easily managed by a network administrator through a Web management interface or the onboard serial port.

Property Management Console

The IAC4500 allows you to use your existing Property Management System* (PMS) to manage the provision and billing of the internet service for your customers. The IAC4500 supports Micros Fidelio, Hilton and CA/Marriott as standard. Through the use of the NetRetriever* middleware the IAC4500 will also support popular PMS applications such as Hirium, RMS, EasyRes, RoomMaster and others.

Built-in AAA/Billing System

The IAC 4000 provides an inbuilt proprietary Authentication/Authorisation/Accounting (AAA) server which allows the administrator to control a user's internet access and billing individually without any external AAA server or billing server.

Additional Features:
- Remote Configuration
- Walled Garden feature for browsing without payment
- SNMP Support with MIB
- VPN Pass through support
- Allow or block by IP & MAC address
- Watchdog Feature for 24x7 operation
- HTTP Proxy Support

Purchased Separately

| Layer 2 Isolation | PMS Integration | SSL Encryption | IPnP |

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Hardware Specifications

Network	802.3 10BaseT Ethernet ; 802.3u 100BaseTX Fast Ethernet; 802.3 NWay auto-negotiation;
Interface	1 LAN port (10BaseT / 100BaseTX); 1 WAN port (10BaseT / 100BaseTX), DB9 Serial Port, PMS DB9 Serial Port, One reset button
LED Indicators	Power, WAN Link, System, LAN Activity
Power	100-240 VAC, 50/60 Hz, consumption 10W
Dimensions	1U Rack –Mounte-size . 440(w) x 116(l) x 44 (h) mm
Weight	1.7kg
Environment	Operating (10 – 50 deg C) ; Storage (20 – 70 deg C)
Mounting	Rack mount

Software Specifications

Configuration	IP Plug and Play, supports up to 1024 users
AAA (Authentication/ Authorisation/Accounting)	RADIUS Authentication and Accounting. Support for a second RADIUS Server for added redundancy, built in Authentication and Accounting, Static and Dynamic Accounting
Bandwidth Management	Equal Bandwidth / Class of Service
Networking functions	NAT (RFC 1631) ; SMTP Server redirection; DNS redirection; Static IP / DHCP client / PPPoE / PPTP client, DHCP Server and DHCP Relay; Transparent HTTP Proxy Server; IP Multicast Support, NTP Server Support,
Billing	Flexible billing plan, time-based billing (by min/hour/day/week etc), Subscriber selective service, Port Location Mapping. Supports AG-200E docket printer.
Security functions	SSL Secure User Login page and Configuration, VPN (IPSec / PPTP) Pass Through, Port Based VLAN , Layer 2 isolation, Authorised Remote Management, IP Filtering, Session Trace.
Management functions	Web based management, HTTP/TFTP Firmware upgrade, scheduled firmware upgrade, real-time status list, LAN Device management, Syslog, SNMP v1/v2 (MIB II and private MIB), Backup / Restore Configuration
PMS Billing System	Support Micros Fidelio, CA/Marriott and Hilton PMS, PMS transaction logs, Support 802.1Q Tag-based VLAN infrastructure
Marketing functions	Customized Subscriber Login Page with logo; Advertisement pop-up features Portal Page upon successful login; Walled Garden (free URL link access); Passthrough IP/MAC/URL
IP Plug N Play	No Browser configuration required

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