

# High Density Hotel Internet Access

Are you looking for a high density, cost effective Internet Access Controller product that will allow your customers wired & wireless internet access?

## Introducing the NetComm IAC 4000 Internet Access Controller

The Internet Access Controller IAC 4000 is a product that has been designed to be deployed in a broadband service network for high speed access to the Internet specifically for the hospitality market. The IAC 4000 can serve up to 1024 simultaneous users and it is an ideal for medium to large hotspots. The product immediately recognize 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 (IP Plug n Play) to access the Internet.



The product is a freestanding or rack-mounted unit with two Ethernet ports (WAN and LAN), and a serial port for system management and administration. 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.

The IAC 4000 has the following features:

<b>IP Plug and Play support</b>	<b>Home Page Redirection</b>
<b>Support up to 1024 current users</b>	
<b>RADIUS Client Support</b>	<b>Flexible deployment - wired and wireless access</b>
<b>Proprietary Authentication Server</b>	<b>Inbuilt User Database for local user authentication</b>
<b>Email Server(SMTP) Redirection</b>	<b>Advertising URL Link for more revenue</b>
<b>Remote Configuration</b>	<b>Walled Garden feature</b>
<b>SNMP Support with MIB</b>	<b>VPN Pass through support</b>
<b>Allow or block by IP &amp; MAC address</b>	<b>SSL Support</b>
<b>Watchdog Feature for 24x7 operation</b>	<b>EAP-MD5 (WEP) or EAP-TLS Security</b>
<b>HTTP Proxy Support</b>	<b>V-LAN to stop data sharing</b>

## Property Management Console

The IAC100+allows you to use your existing Property Management System\* (PMS) to manage the provision and billing of the internet service for your customers. \* *Support for Micros Fidelio and Spectrum MK II PMS.*

## 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 for internet access and billing individually without any external AAA server or billing server.

## Hardware Specifications

<b>Network</b>	802.3 10BaseT Ethernet ; 802.3u 100BaseTX Fast Ethernet; 802.11b+ (22MB) Wireless LAN; 802.3 NWay auto-negotiation;
<b>Interface</b>	4 LAN ports (10BaseT / 100BaseTX); 1 WAN port (10BaseT / 100BaseTX), DB9 Serial Port, PMS DB9 Serial Port, One reset button
<b>LED Indicators</b>	Power; Alarm, Full Duplex, WAN Link; LAN Activity; Status
<b>Power</b>	100-240 VAC, 50/60 Hz, consumption 10W
<b>Dimensions</b>	1U Rack –Mounte-size . 440(w) x 116(l) x 44 (h) mm
<b>Weight</b>	1.7kg
<b>Environment</b>	Operating (10 – 50 deg C) ; Storage (20 – 70 deg C)
<b>Mounting</b>	Rack mount

## Software Specifications

<b>Configuration</b>	IP Plug and Play , support up to 1024 users
<b>AAA (Authentication/Authorisation/ Accounting)</b>	RADIUS (Remote Authentication Dial-in User Service) Client Authentication and Accounting (RFC 2865 & RFC 2866); Authentication port 1645 & 1812 Support for a second RADIUS Server for added redundancy. Built-in Authentication/Accounting, Static /Dynamic Accounting
<b>Bandwidth Management</b>	Equal Bandwidth / Class of Service
<b>Networking functions</b>	NAT (RFC 1631) ; SMTP Server redirection; DNS redirection; Static IP / DHCP client / PPPoE / PPTP client, DHCP Server and Relay; Transparent HTTP Proxy Server; IP Multicast Support, NTP Server Support,
<b>Billing</b>	Flexible billing plan, time-based billing (by min/hour/day/week etc), Subscriber selective service, Port Location Mapping
<b>Security functions</b>	SSL User Login page and Configuration, VPN (IPSec / PPTP) Pass Through, Port Based VLAN , Layer 2 isolation, Authorised Remote Management
<b>Management functions</b>	Web based management, HTTP/TFTP Firmware upgrade, scheduled firmware upgrade, real-time status list, LAN Device management, Syslog, SNMP v1/v2 (MIB II with traps), Backup / Restore Configuration
<b>PMS Billing System</b>	Support Micros Fidelio PMS, PMS transaction logs, Support 802.1Q Tag-based VLAN infrastructure
<b>Marketing functions</b>	Customized Subscriber Login Page with logo Advertisement pop-up feature Portal Page upon successful login Walled Garden (free URL link access) Passthrough IP/MAC/URL