1-YEAR WARRANTY

1 year warranty out of the box.

KEY FEATURES
⟩ VPN secured network technology to enhance the security of wired and wireless data transmission
⟩ Comprehensive user management featuring per-user network traffic log, per-user bandwidth limit, various service levels and control policies to enhance protection
⟩ Centralised Access Point management of up to 12 NetComm Access Points (NP725), monitor up to 100 3rd party APs
⟩ Flexible accounting and billing allowing operators to customize the billing plans for on-demand users with a credit card billing system for Internet access
⟩ Multiple authentication methods, failover and load-balancing on dual WAN ports
⟩ Simplified deployment and management platform for easy integration with existing network infrastructure

Internet Access Controller

The IAC3000 Internet Access Controller is specially designed for wired and wireless data network environments in small to medium scaled businesses. This rack mountable solution features integrated management, secured data transmission and enhanced accounting and billing.

With its simplified LAN deployment and management platform, the IAC3000 easily integrates with existing network infrastructure. The friendly user interface also features a customisable login page template for your company logo or design.

The IAC3000 has the ability to be centrally and comprehensively managed. Administrators are able to access a detailed per-user network traffic log for analysis and record keeping while also activating a per-user bandwidth limit for flexible traffic control. The centralised remote control of managed Access Points

avoids the need to individually configure each device. Remote status monitoring of managed Access Points ensures efficient network management.

The IAC3000 also features advanced IPSec VPN encryption to enhance the security of wired and wireless data transmission. Diverse user authentication methods also ensure the ongoing security of the network provided by the IAC3000.

Programmable billing profiles allow operators to customise the billing plans for on-demand users, while bandwidth control enables different classes of service for different levels of users which can maximise profit for business

TECHNICAL SPECIFICATIONS

Networking
- Supports NAT or Router mode
- Supports Static IP, DHCP, PPPoE on WAN interface
- Choose freely which LAN is the authentication-enabled LAN
- Supports NAT
  - (a) IP/Port destination redirection
  - (b) DMZ server mapping
  - (c) virtual server mapping
  - (d) H.323 pass-through
- Built-in DHCP Server and support DHCP relay
- Supports a walled garden feature (free surfing zone)
- Supports SMTP redirection
- Supports MAC-address and IP-address pass-through
- Supports HTTP Proxy
- Supports IP Plug and Play (IP PnP)
- Supports configurable static routes
- Contains a built-in hardware-based VPN accelerator
- Supports dual uplinks, outbound load balancing and failover for more reliable Internet connections
- Supports SIP pass-through
- NATService Zones - The network is divided into a maximum of nine Service Zones, each defined by a pair of VLAN tags and ESSID
- Authentication methods supported: Local and On-demand accounts, POP3, LDAP, RADIUS, Windows Domain, and SIP authentication
- Single-Sign-On for Windows Domain
- Allows MAC address and user identity binding for local use authentication
- Supports MAC Access Control Lists
- Supports auto-expired guest accounts
- Users can be divided into user groups
- Each user group has its own network properties, including bandwidth, QoS, accessible service zones, and other privileges
- Supports QoS and WMM traffic types: Voice, Video, Best Effort and Background
- Each group (role) may get different network policies in different service zones
- Max concurrent user session (TCP/UDP) limit
- Provides a setting for user-idle-timeout
- Configurable user Black List
- Instant guest account generation by authorised users
- Export/Import local users list to/from a text file
- Definable session limit in policy puts a cap to each user's concurrent sessions (TCP/UDP)

Security Features
- Supports data encryption: WEP(64/128-bit), WPA, WPA2, IPSec VPN
- Supports various authentication methods: WPA-PSK, WPA2-PSK, IEEE 802.1x (EAP-MD5, EAP-TLS, CHAP, PEAP)
- Provides VPN termination of IPSec tunnels
- Supports VPN pass-through (IPSec and PPTP)
- Built-in DoS attack protection and AP Management
- Provides centralised remote management via a HTTP/SNMP interface
- Auto Discovery for Managed APs (NP725)
- Enable or disable APs easily via the user interface
- Templates for Managed APs
- Monitoring of Managed AP for its status, the number of associated clients, and RF info
- Recover APs automatically when the system fails
- Upgrade managed APs centrally, including bulk upgrade
- Monitor 3rd party non-integrated AP Monitoring and Reporting
- Status monitoring of online users
- IP-based monitoring of network devices
- Uplink (WAN) connection failure alert
- Supports Syslog for diagnosis and troubleshooting
- User traffic history logging
- Traffic history report via email to administrator
- Users' session log can be sent to ftp or Syslog server

Accounting and Billing
- Supports local on-demand and external RADIUS server
- Contains ten configurable billing plans for on-demand accounts
- Supports credit card billing systems by Authorize.net, PayPal and Secure Pay
- Provides session expiration control for on-demand accounts
- Provides detailed per-user network traffic history for both local and on-demand user accounts
- Supports automatic e-mail to report network traffic history

System Administration
- Provides a web-based management user interface
- Provides a customizable login and logout portal page
- SSH remote management
- Supports remote firmware upgrades
- NTP time synchronization
- Menu driven console management interface
- Utilities to backup and restore the system database

Hardware Specifications
- Form Factor: Mini-desktop
- Dimensions (W x D x H): 243 mm x 150 mm x 45.5 mm
- Weight: 1.4 Kg
- Operating Temperature: 0 ~ 45C
- Power: 110~220 VAC, 50/60 Hz
- WAN Ports: 2 x 10BASE-T/100BASE-TX RJ-45
- LAN Ports: 8 x 10BASE-T/100BASE-TX RJ-45
- Console Port: 1 x RJ-11
- LED Indicators: 1 x Power, 2 x WAN, 8 x LAN, 1x Status
- Certifications: CE, FCC, C-Tick

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- Centralised Access Point management

- Flexible accounting and billing allowing operators to customise the billing plans for on-demand users with a credit card billing system for Internet access

- Multiple authentication methods, failover and load-balancing on dual WAN ports

- Simplified deployment and management platform for easy integration with existing network infrastructure

CONNECTION DIAGRAM
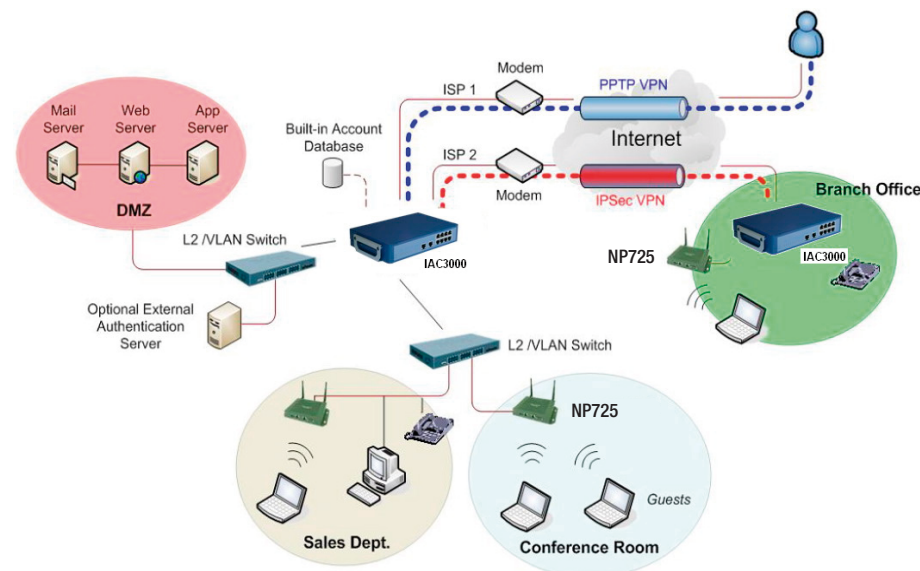
Capacity and Performance	
Concurrent Users (Recommended)	Up to 120
Local Accounts	1,000
On-demand Accounts	2,000
Managed APs	12
Monitored 3rd-party APs	100
Local VPN Tunnels	Up to 120

NetComm®
www.netcomm.com.au

Dynalink
www.dynalink.co.nz