



IAS-2000

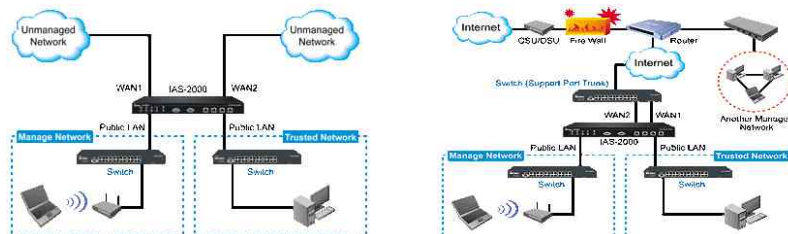
Internet Access Gateway



TIAS-2000 is a Network Access Control System specially designed for simple small and middle-scaled wireless network environments while retaining network efficiency. IAS-2000 delivers manageability, efficiency and friendly interface and suits perfectly for campuses (or libraries, gymnasiums, etc.), small and middle enterprises, factories, Hotspots and community hospitals

Get Online Immediately

The installation and setup of IAS-2000 can be easily done without changing the existing network architecture. The system can be installed and logged within a short amount of time to establish the security mechanism. With the protection by IAS-2000, users must be authenticated before logging into the network, and the administrator can assign a fine-grained priority to each user stratifying the scope and right of using network resources.



Integrating the Existing User Password Database

In general, most organizations use specific database system to centralize and manage user Passwords before introducing the wireless network into the organization. IAS-2000 supports Local, POP3(+SSL), RADIUS and LDAP external Public LAN mechanisms, and allows Integration of the current user password database. This system also provides a built-in user Database, so that the administrator can create or upload the Public LAN data by a batch process.

Specification

Hardware

- Mounting : 19" 1U rack mount
- Dimensions : 42.5x4.4x24 cm (WHD)
- Weight : 3.3Kg
- Operating Temperature: 5-45 C
- Storage Temperature: 0-65 C
- Power : 110-240VAC 50/60Hz

Security Functions

- Firewall
 - 6 sets of firewall profiles with 10 rules each based on Protocol/Port/Source MAC/Source Port/DestinationPort/SourceIP/DestinationIP/ network segment
- Walled Garden
 - 50 URL/ Domain /Network Segments

Specification

Networking

- Operation Mode
 - Bridge, Router, NAT
- 802.1x Support
 - WPA, WPA-PSK, 802.1x only
- 802.1q VLAN
 - 32 VLAN Individual NAT / Router Mode
- Link Aggregation
 - Round-Robin on WAN ports
- WAN 1 connection method
 - Static IP, DHCP, PPPoE
- WAN 2 connection method
 - Static IP, DHCP
- IP Plug and Play (IPnP)
- Eliminate client IP reconfiguration
Inter-IP-segment roaming
 - Maintain connectivity across different IP segmentsUser Management
- DHCP Server and relay
 - Act as DHCP server or relay
- IP/ Port Destination Redirection
 - 40 set of IP or Port address redirection
- SMTP Redirect: Supported
- Specific Route
 - 6 sets of routing profiles with 10 rules each
- HTTP Proxy Server: 10 sets
- DMZ Server Mapping: 40 sets
- Virtual Server Mapping: 40 sets

User Management

- User Group
- 5 user groups + 1 guest group
- Group Policy
 - Authentication types, IP filter, Routing Profile, bandwidth control, login schedule, Black List
- Guest Group Policy
 - Session Length (unlimited or up to 12 hour) ;
- 10 IP filter rules
- MAC ACL
 - 40 sets of MAC addresses which are allowed to open login page
- External authentication server support
 - 2 X POP3, 2 X LDAP, 2 X RADIUS, 1 X Windows Domain Server

- DoS Protection
 - NMAP FIN/URG/PSH ; Xmas Tree; SYN/RST; Ping of Death; Null Scan; SYN/FIN
- User SSL web Login : supported
- Secured Shell (SSH) Host
 - SSH Console login
- VPN pass-through
 - IPsec and PPTP

Reporting / Monitoring

- Online User Monitoring
 - Reporting Field: ID, IP, MAC, Packet In/Out, Idle time, force logout
- Authentication Sever fail
 - Error message with admin contact info
- WAN Fail detection
 - Deny or open all access with error message
- Device monitoring
 - Monitor up to 40 IP devices alive status
- User History Log
 - Field: Start/End Time, ID, IP, MAC, Packet In/Out, Idle time
- History log email
 - Send out every 1~12 hr or stored up to 3 days

Accounting

- External Accounting Servers
 - RADIUS, Optional Micros-Fidelio Property Management System (PMS)
- Billing Plans
 - Up to 10
- Billing Method
 - Time (hour) or Network Usage (MB)
- Credit Redemption
 - customers add credit to account prior expiration
- Network Time Protocol client
 - Support external NTP server for time synchronization

System Administration

- SNMP support
 - SNMP V2c ready-only access
- SSH remote management



Specification

- POP3 Server Authentication
 - Support SSL (POP3S)
- LDAP Server Authentication
 - Server IP, Port Number , Base DN
- MS Domain Server Authentication
 - Transparent login
- RADIUS Authentication
 - PAP/CHAP
- RADIUS Attributes
 - Start time / End time / UserID/ User MAC / User IP/Packets In /Bytes In/ Packets Out/ Bytes

Out / User-Name Calling-Station-Id/ Framed-IP- Address / Acct-Terminate-Cause / Acct-Input-Octets / Acct-Output-Octets / Acct-Input-Packets/ Acct-Output-Packets

- WISP Support: III roaming
- Multiple Login on single account : Yes
- Privilege IP/MAC
 - 40 set, no authentication required
- Session idle timeout
 - In minutes ; up to unlimited

Performance

- Maximum concurrent users
 - Recommend up to 400 concurrent users
- Maximum user database
 - 2000 local user + 2000 On-demand user
- Maximum throughput
 - 90 Mbps

- Supported
- 128bit SSL web admin
 - Supported
- Customized Login/logout page
 - Image limited at 512K, image format : jpg,gif
- Remote firmware update
 - Web UI
- External Syslog Server
 - Supported
- Console admin functions
 - Reset / change admin password / debug utilities / service status

Certification and Approval

- CE, FCC, UL

Connection & Display

- LAN port
 - 2 x 10Base 802.3 / 100Base-T 802.3u WAN port
 - 2 x 10Base 802.3 / 100Base-T 802.3u with Link Aggregation
- COM1
 - Console port Default set to 115200,n,8,1, 8,1 and no flow control
- COM2 AUX port
 - Reserved for future usage
- LED indication
 - 1 x Power + 1 x System Status + 4 x Link StatusLink Activity

Ordering Information

IAS-2000 Internet Access Gateway

