



**Networking**

- Support NAT or Router mode
- Support Static IP, DHCP, PPPoE mode on WAN interfaces and PPTP (WAN 1 only)
- Choose freely which LAN is authentication-enabled LAN
- Support NAT:
  - (1) IP/Port destination redirection
  - (2) DMZ server mapping
  - (3) Virtual server mapping
  - (4) H.323 pass-through
- Supports email service via designated email server
- Built-in with DHCP Server and support DHCP relay
- Support walled garden (free surfing zone)
- Walled Garden Ad List that enables advertisement website links on user login portal page
- Support MAC-address and IP-address pass-through
- Support HTTP Proxy
- Support IP Plug and Play (IP PnP)
- Support configurable static routes
- Support dual uplinks, outbound load balancing and failover for more reliable Internet connection
- Support SIP pass-through NAT
- Support Ethernet connection to external terminal servers

**Security**

- Support local IPSec VPN tunnels
- Support PPTP VPN tunnels
- Support site-to-site VPN tunnels
- Support VPN pass-through (IPSec and PPTP)
- Built-in DoS attack protection

**Service Zones**

- The network is divided into maximum 9 Service Zones, each defined by a pair of VLAN tag and ESSID
- Each service zone has its own (1) login portal page (2) authentication options (3) LAN interface IP address (4) DHCP address range
- Each service zone allows access to the selected groups
- Each service zone assigns a network policy to each user group

**User Management and Access Control**

- Support 4,000 local accounts and 3,000 on-demand accounts
- Provide on-demand accounts for visitors
- Support Local user account roaming
- Authentication methods supported: Local and On-demand accounts, POP3, LDAP, RADIUS, Windows Domain, and SIP authentication
- Support Single Sign-On for Windows Domain
- Allow MAC address and user identity binding for local user authentication
- Support MAC Access Control List
- Support 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
- Support 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
- A setting for user-idle-timeout
- Configurable user Black List
- 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)

**Accounting and Billing**

- Support local on-demand and external RADIUS server
- Contain 10 configurable billing plans for on-demand accounts
- Support credit card billing system by Authorize.Net, PayPal, and SecurePay
- Provide session expiration control for on-demand accounts
- Provide detailed per-user network traffic history for both local and on-demand user accounts
- 4ipnet RADIUS VSA implementation for volume-based session control using RADIUS server
- Support automatic e-mail to report network traffic history

**System Administration**

- Web-based management user interface
- Provide customizable login and logout portal page
- SSH remote management
- Remote firmware upgrade
- NTP time synchronization
- Menu driven console management interface
- Utilities to backup and restore the system configuration

**Monitoring and Reporting**

- Status monitoring of on-line users
- IP-based monitoring of network devices
- Uplink (WAN) connection failure alert
- Support 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

**AP Management**

- Number of managed APs: 40
- Provide centralized remote management via HTTP/SNMP interface
- Auto discovery for managed APs
- Enable or disable APs easily via user interface
- Templates for managed APs
- Monitor managed AP for its status, the number of associated clients, and RF information
- Upgrade managed APs centrally, including bulk upgrade
- Monitor 3<sup>rd</sup> party non-integrated AP: 200

**Hardware Specifications**

- WAN Ports: 2 x 10/100/1000 BASE-T RJ-45
- LAN Ports: 2 x 10/100/1000 BASE-T RJ-45
- Management Port: 1 x 10/100 BASE-T RJ-45
- Console Port: 1 x RJ-45
- LED Indicators: 1 x Power, 1 x Link Status, 5 x Ethernet Connect
- LCD Display

**Physical and Power**

- Power Adapter: 100~240 VAC, 50/60 Hz
- Form Factor: 19" 1U Rack Mount
- Dimensions (W x D x H): 16.77" x 10.63" x 1.75"  
(426 mm x 270 mm x 44.4 mm)
- Weight: 13.2 lbs (6 kg)

**Environment**

- Operating Temperature: 0 ~ 40 °C
- Storage Temperature: -20 ~ 70 °C
- Operation Humidity: 5%~95% non-condensing
- Storage Humidity: 5% ~ 95% non condensing

**Certifications**

- CE, FCC, RoHS compliant

\*\* Specifications subject to change without notice