

Complete Control and Management of Public Access Networks

ValuePoint Networks' 3560 Gateway Controller provides high performance, authenticated, and seamless broadband connectivity to Public Access venues such as Hotels, MTU/MDUs, WISP networks, Municipalities, and Hotspots. The 3560 Controller will automatically adjust to almost any foreseeable subscriber configuration, and adapt to support that subscriber automatically and transparently. Subscriber access can be authenticated via **Local User Database, RADIUS Authentication, VLAN, or Property Management System (PMS) interface**. Web browsing, email, and VPN are automatically configured and supported by the gateway as well.

The 3560 has an **unlimited user license**, and a powerful CPU supporting 65 Mbps throughput and performance rated to 200 or 400 concurrent users per network using two (2) NC-3560s and the DUAL WAN and load balancing feature. The NC-3560 also has **User Bandwidth and Session limiting** to help prevent file sharing, P2P users, and other network hogs from bringing down the network. The NC-3560 **logs every user session** meeting the requirements of CALEA and DMCA. The 3560 supports VLAN and subnet routing.

Pricing for the NC-3560 will dramatically lower your infrastructure costs, making previously unreachable venues affordable and increasing your Return on Investment.



Plug and Play Connectivity

Controller Adapts to Subscriber Laptop Settings

The wireless subscriber can access the Controller with no change to his/her existing IP related settings, such as IP address, subnet mask, default gateway IP address, or HTTP Proxy in his/her notebook computer. No matter what settings the subscriber has in the notebook computer, the subscriber always can access the Controller.

Corporate and ISP mail servers often will not accept E-Mail from another network. With the Wireless Controller 3000 Subscriber's outgoing SMTP server requests can be redirected to a SMTP server specified by administrator, so the subscriber can send out their email without changing the E-Mail configuration in their notebook computer.

Customized Branding

The venue owner or system integrator can customize the branding and messaging for each location. Login pages, messages, and advertising can all be configured to match the Hotel, Cafe, or Airport venue experience.

Flexible User Authentication

Subscriber authentication on the NC-3560 Controller can be configured for the industry standard RADIUS AAA. RADIUS allows you to control multiple sites from a single NOC, or purchase authentication services from a third party billing provider. RADIUS authentication also allows support of Wireless Roaming services such as Boingo, GRIC, or iPass.

The NC-3560 interfaces to the Control PMS interface, which is compatible with 69 PMS systems, and to MICROS OPERA/Fidelio. These interfaces enable billing to guestrooms directly from the Hotel's PMS.

Advanced Local Authentication

Authentication can also be controlled totally within the Gateway Controller 3560 using a local user database of 2000 username/password accounts. Unlike the typical primitive Local Authentication feature on HotSpot Gateways, NC-3560 local accounts are richly manageable by account start and end dates and access time. And after their initial login, subscribers can be given access to the network without needing to revalidate their account.

Café Account

Customers can be given free access to the Network for a defined period, after which they would have to purchase more time to continue to browse or access the network from their laptop. This is ideal to allow free "use but don't abuse" access to draw customers into the venue.

Branded Terms of Service

The Terms of Service feature allows the Administrator to upload images and text to create a custom branded Terms of Service agreement. Users will have to agree to the terms before being granted access. It is ideal for public venues that do not want to charge for service but want to have more security than using "No Authentication"

Walled Garden and Advertising

You define a select list of web sites that can be accessed without subscriber login, in order to promote your public access venue and drive interest. This can significantly raise your awareness and help sign up new users.

The NC-3560 allows you to define a list of web sites for advertising purposes. These sites are displayed to the user on occasion to allow certain sites to be promoted. This gives you revenue sharing opportunity with your partners.

Security and Management

Highly secure and manageable

In addition to Radius-based authentication, the NC-3560 provides SSL login, and VPN pass-through.

The Gateway Controller 3560 is easy for administrators to manage through the Web-based interface. The Web-based management is client-independent and is done by securely authenticating the administrator over SSL. In addition, a sophisticated Syslog server is built-in to log events and enable automated monitoring.

The 3560 can be configured for **Bandwidth limits for subscribers**, instrumental in managing network load especially in conditions where network viruses are present, preventing a single subscriber from overloading the network.

User Session Logging

Every user session can be logged and the log saved on a remote or local server or drive. This allows your network to be compliant with the Communications Assistance for Law Enforcement Act (CALEA) and Digital Millennium Copyright Act (DMCA) laws. This also protects you from liability in the event of illegal file sharing warnings.

XML and SOAP

Secure Management via Back End Interfaces

XML combined with SOAP allows rich, full featured, and secure control and monitoring of the Gateway Controller 3560. The NC-3560 SOAP interface works today with Hilton's H5IA Authentication, AuthDirect Tollbooth, DataValet, LogiSense, Thinwires, V-Link, and Wandering Wi-Fi.

Networking

Broadband Internet and DUAL WAN Connection Support

The NC-3560 provides feature rich networking capabilities including DHCP Server, DHCP Client, PPPoE, DHCP Proxy, and HTTP Proxy. This means the NC-3560 can connect to any DSL, cable, T1, or other broadband service available, offering you the widest range of choices. Two NC-3560's can interface to two separate WAN connections with load sharing and automatic failover.

The NC-3560 supports subscriber or port-based VLAN with up to 256 VLAN IDs.

The NC-3560 also features three 10/100/1000 Mbps RJ-45 Gigabit Ethernet LAN ports. This allows additional access points or other network devices to be supported without adding more hardware to your installation.

Technical Specifications

Networking

- Auto-IP supports any network configuration
- PPPoE
- IP Multicast
- SMTP Redirection
- Multiple VPN Connection Support
- VLAN – up to 256 VLAN IDs supported
- Dynamic DNS
- DHCP Server, Client, and Relay
- NAT (RFC 1631)
- Transparent HTTP Proxy Server
- Bandwidth limiting globally or per user.
- Network session limiting
- Static subnet routing
- NTP

Performance

- 200/400 Concurrent Users per network performance rating
- 65 Mbps Maximum Throughput per unit
- 2000 user local database
- Unlimited User License

Security

- Secure HTML Login Page (SSL)
- Extensive System Log (Syslog) Monitoring
- IP and MAC address pass-through and blacklist
- VPN pass-through (IPSec/PPTP/L2TP)
- Web-based management
- Local or remote firmware upgrade
- Hours of service control for public venues
- VPN termination for secure remote management
- LAN Device Monitoring and Management
- XML/SOAP secure management
- Customizable Firewall and Packet Filter
- Real-time session list
- Remote management IP control
- GRE tunneling
- Port Isolation of “public” and “private” LAN ports

Local Services and Branding

- Walled garden
- Standard or Customized Login, Welcome, Terms of Service, and Logout Pages
- Upload custom web pages to the controller
- One Time or Time-based Advertisement URLs

User Authentication and Accounting

- 'Captive Portal' Login Page Redirection
- Backup, Restore, and Export Local User Database
- Local User Database for Name/Password Logins
- Advanced Local Account Management
- ICOA TollBooth™ Authentication
- User sessions logging
- Meets CALEA and DMCA laws
- Logout Window Timer Control
- Café Account - Time-limited free access
- RADIUS client
- HiltonFamily™ HSIA Authentication
- Simple "Terms of Service" Login Option

Hardware

- 3 Switched 10/100/1000 M Gigabit Ethernet LAN ports
- 19" 1U rack mount
- 0-55° C operating temperature
- 1 10/100/1000 M Gigabit WAN port
- 10 x 8 x 2 In. / 3 Lbs

Certification and Approval

- FCC part 15 Class B
- CE Mark
- VCCI Class B
- UL

Warranty

- One year parts and labor

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