



Cipherium M6600 is an instant, open, affordable, secured and unified Network Access Control (NAC) solution for medium and large-sized network deployment.

With this Multi-Service Gateway, medium sized organizations can afford to quickly deploy, or turn the existing network into an almost enterprise-grade secured network covering both wired and wireless IP network.

Key Features

- *Integrated AAA support*
- *WAN Failover and Load Balancing*
- *Multiple authentication methods*
- *Simple visitor account provisioning*
- *Firewall policies and role-based access control*
- *Centralized AP management*

Features & Benefits

Network Segmentation & Simplified Deployment

- Integrated secure wired and wireless access control
- Control the characteristics of each domain via respective network access policies
- Deployment flexibility provides the network configuration and management required for various office networks
- Supports VLANs for wired and wireless clients to create multiple virtual network environments in an office

Built-in AAA and Account Roaming Support

- Built-in local authentication database and on-demand account authentication database for cost reduction
- Supports multiple external authentication methods including RADIUS, LDAP, Windows Domain, POP3, and SIP registrar
- Supports "Single Sign-on" for Windows server that seamless integrates wireless user access control with Windows server
- User account roaming among different offices via built-in database or RADIUS server
- Supports RADIUS accounting

Effective User Management

- Simultaneous support for internal and external user authentication options
- Easy management of visitor access to office network
- Role-based access control enhances the management of various user groups in an office
- Bandwidth management for individual and group users to ensure effective network resource usage in an office

Centralized AP management

- Centralized remote management interface to discover, configure, monitor, and upgrade APs
- Management features include discovering, configuring, enabling, disabling, resetting, monitoring, and upgrading APs
- Monitors APs periodically and forces to reset problematic APs

Networking

- Supports Static IP, DHCP, or PPPoE mode on WAN interfaces
- Supports IP Plug and Play (IP PnP)
- Built-in DHCP server and support DHCP relay
- Supports NAT functions:
 - (a) IP/Port Destination Redirection
 - (b) DMZ Server Mapping
 - (c) Virtual Server Mapping
 - (d) H.323 Pass-Through
 - (e) SIP Pass-Through
- Supports configurable static route
- Supports Wake on LAN, Web-based utilities (Ping , Trace Route , and ARP) and Dynamic DNS
- Walled Garden (free surfing zone)
- Supports IP and MAC addresses privilege list
- Supports HTTP Proxy
- WAN Failover and outbound Load Balancing on dual WANs

Security

- Supports VPN Pass-Through (IPSec and PPTP)
- Firewall rules can be used to filter the traffic in and out of the gateway
- Supports built-in DoS attack protection
- Supports MAC Access Control List
- Supports configurable user Black List
- Allows MAC address and user identity binding for local user authentication

User Management

- Simultaneous supports for multiple authentication methods (Local, POP3, LDAP, RADIUS, Windows Domain, On-demand and SIP)
- Role-based access control (including Firewall policies, Specific route, Login Schedule, and Bandwidth)
- Supports firewall
- User Session Management:
 - (a) SSL protected login portal page
 - (b) Supports multiple logins with one single account
 - (c) Session idle timer
 - (d) Session/account expiration control
 - (e) Email message with a hyperlink and login reminder for accessing login page
 - (f) Single sign-on for Windows domain
 - (g) Configurable login time frame
 - (h) Session Log
 - (i) Maximum concurrent sessions per user
- On-demand accounts generation for guests by operators
- User account roaming support

System Administration

- Web-based management UI
- Customizable login and logout portal pages
- SSH remote management
- Remote firmware upgrade
- NTP time synchronization
- Console management interface support
- Utilities to backup and restore the system database
- SNMP support

Monitoring and Reporting

- Status monitoring of online users
- Monitoring of IP-based network devices
- Uplink connection (WAN) detection and failure alert
- Pass system events to Syslog server for diagnosing and troubleshooting
- User traffic history logging
- Traffic history report in an automatic email to administrator
- Supports RADIUS accounting
- Notification email of status monitoring and reporting

AP Management and Wireless Security

- Selected pre-integrated AP type (A300) can be tightly managed from the gateway centrally
- Auto Discovery for Managed APs
- Template for Managed APs
- Monitoring Managed AP for its status, the number of associated clients and RF info
- Monitoring associated client station info
- Upgrade for managed APs centrally, including bulk upgrade
- Monitor 3rd-party non-integrated AP and other IP device for their aliveness
- Supports data encryption: WEP (64/128-bit), WPA/WPA2
- Supports authentication: WPA-PSK, IEEE 802.1X (EAP-MD5, EAP-TLS, CHAP, PEAP)

Hardware Specifications

- Form Factor: 19" 1U Rack Mount Chassis
- Power: AC Input, DC Output
- WAN Ports: 2 x GbE
- LAN Ports: 4 x GbE
- Console Port: 1 x RS-232

Gateway Capacity

Local Accounts	10,000
Number of On-demand Accounts	6,000
Number of Managed Access Points	Up to 150
Number of Monitored IP Devices	Up to 400