Wireless AP Management Gateway

Ideal Wireless Access Control Solution -- LevelOne AMG-2000 wireless AP management gateway simplifies network deployment, promotes integrated security, increased scalability, and ease of management. This solution is designed to meet the needs of SMB, small hotels, educational units, apartments and sales/branch offices. Your IT manager can stay in a data center and directly control as many as 12 access points across LAN, whether directly connected to the switch or not.

Centralized AP Management -- When attached to AMG-2000, our LevelOne WAP-0006 provides wireless management and security control better than a stand-alone access point. Administrators can perform all management functions through this device, AMG-2000. They simply plug in access ports and these APs show up in the AMG-2000's well-organized management interface which can then automatically discover APs to identify and enroll managed APs to the device list while also providing system alarms and statistical reports on managed APs.

Comprehensive Security Features -- The AMG-2000 offers authorized end-to-end communications for both wireless and wired networks. An integrated Authentication, Authorization and Accounting (AAA) server ensures maximum security for authenticating users. Rather than referencing the identity of a network user in a device's local database, we can instead send this user's identity back to integrated AAA servers like RADIUS, LDAP, NT Domain or even POP3 for complete verification.

Effective User Management -- AMG-2000 allows internal and external authorized users to access the network. With the policy-based control approach, the AMG-2000 enhances the management of multiple user categories. Also, The AMG-2000 features a large benefit in that it allows WLAN to provide access to guests. In order to allow these external users on the WAN and then keep their data out of the internal newtork, this wireless controller integrates features that will map guest traffic to tunnels that connect them directly to a DMZ.

Easy to Install and Management -- Developing a wireless LAN can be time consuming and expensive although it is relatively easy to integrate into existing wireless and wired networks. All configurations and maintenance of this AP can be done with a web browser through the web-based management interface in a single point. No configuration change is required on client devices.

AMG-2000

Related Products

WAP-0006
54Mbps Wireless Access Point

Key Features

- Integrated AAA support
- Multiple authentication methods
- Temporary (on-demand) user account generation
- Policy-based access control
- Provides per-user traffic logging
- Walled garden (Login Portal)

Key Benefits

- Ease of integration with existing SMB office network infrastructure
- Reduces the complexity of small to medium-scale WLAN management
- Helps administrators to manage distributed APs centrally
- Provides easy guest access management

Technical Specification

Networking
- Supports Router, NAT mode
- Supports Static IP, DHCP, PPPoE on WAN interface
- Controllable LAN ports requiring authentication
- Supports IP Plug and Play (IP PnP)
- Built-in DHCP server and support for DHCP relay
- Supports NAT:
  - IP/Port Destination Redirection
  - DMZ Server Mapping
  - Virtual Server Mapping
- Supports Static route
- Supports Walled Garden (free surfing zone)
- Supports MAC Address Pass-Through
- Supports HTTP Proxy

Security (WAP-0006)
- WEP 64/128-bit Web share key encryption
- WPA-PSK security
- WPA2 (AES Encryption)
- Supports MAC Access Control List

AP Management
- Supports up to 12 manageable IEEE 802.11 compliant APs
- Centralized remote management via HTTP interface
- Automatic discovery of managed APs and list of managed APs
- Allows administrators to add and delete APs from the device list
- Provides MAC Access Control List of client stations for each managed APs
- Locally maintained configuration profiles of managed APs
- Single UI for upgrading and restoring managed APs' firmware
- System status monitoring of managed APs and associated client stations
- Automatic recovery of APs in case of system failure
- System alarms and status reports on managed APs

Monitoring and Reporting
- Status monitoring of on-line users
- IP-based monitoring of network devices
- WAN connection failure alert
- Syslog support for diagnosing and troubleshooting
- User traffic history logging

Accounting and Billing
- Support for RADIUS accounting, RADIUS VSA
- Built-in billing profiles for on-demand accounts by time and data volume
- Enables session expiration control for on-demand accounts by time and data volume
- Provides billing report on screen for on-demand accounts
- Detailed per-user traffic history based on time and data volume for both local and on-demand accounts
- Traffic history report in an automatic email to administrator

User Management
- Supports up to 120 concurrent users
- Provides 500 local accounts
- Provides 2000 on-demand, instant accounts
- Simultaneous support for multiple authentication methods (Local and On-demand accounts, POP3 (S), LDAP, RADIUS, NT Domain)
- Role-based and policy-based access control (Per-role assignments based on Firewall policies, Routing, Login Schedule, Bandwidth)
- User Session Management:
  - SSL protected login portal page
  - Supports multiple logins with one single account
  - Session idle timer
  - Session/ account expiration control
  - Notification email to provide a hyperlink to login portal page
  - Windows domain transparent login
  - Configurable login time frame

System Administration
- Multi-lingual, web-based management UI
- Customizable login and logout portal page
- SSH remote management
- Remote firmware upgrade
- NTP time synchronization
- Console management interface support
- Backup and restore of system configuration

Hardware Specification
- WAN Ports: 2 x 10BASE-T/100BASE-TX RJ-45
- LAN Ports: 5 x 10BASE-T/100BASE-TX RJ-45
- Console Port: 1 x RS-232; DB9
- Power: 90~264VAC, 47/63 Hz
- Dimension: 239mm (W) x 156mm (D) x 30mm (H)
- Weight: 1.3Kg
- Operating Temperature: 0~40℃
- Certification: CE, FCC

Product Diagram
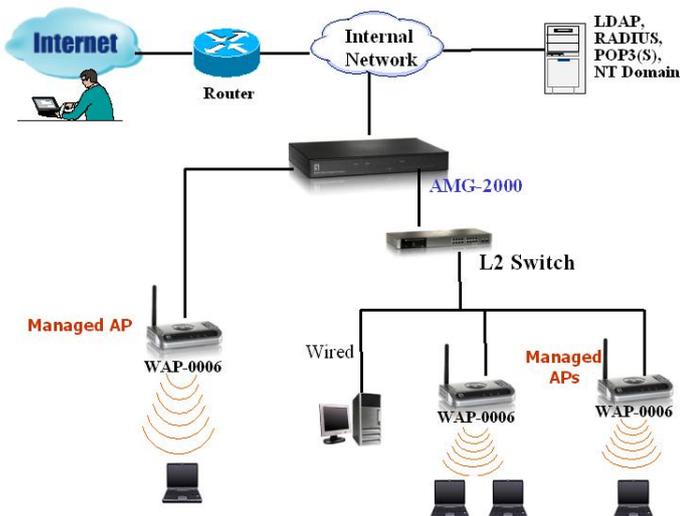
Ordering Information

- AMG-2000: AP Management Gateway
- WAP-0006: 54Mbps Wireless Access Point

www.level1.com