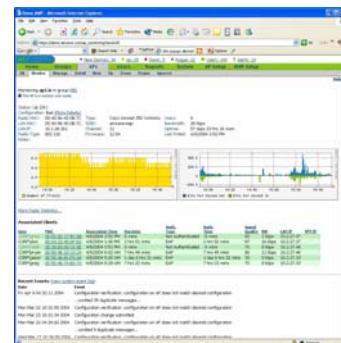


Secure, Manageable Wireless Networks: ProCurve Networking by HP & AirWave Deliver Comprehensive Wi-Fi Solutions

Comprehensive, Secure Wireless LAN Solutions for the Enterprise

Fortune 500 enterprises, educational institutions, health care providers, government agencies, and other large organizations are implementing Wi-Fi networks to provide their users affordable mobile access. Administrators who implemented first-generation wireless networks quickly discovered that costs associated with operating a secure WLAN were often significantly higher than the cost of Wi-Fi hardware. To address these issues, ProCurve Networking by HP and AirWave Wireless together create fully integrated, enterprise-grade Wi-Fi solutions that deliver:

- **Guaranteed network security**
- **Manageability and supportability**
- **Superior network performance**
- **Scalability for global networks**
- **Multi-vendor support & compatibility**



AMP AP Monitoring Screen

The AirWave Management Platform™ (AMP) network management software provides network administrators a comprehensive, easy-to-use web-based user interface from which HP ProCurve enterprise-grade wireless access points can be remotely managed and configured. The HP ProCurve 700 series Access Controllers are managed centrally and connect the wireless access points with the rest of the network, protecting data and ensuring that only authorized users can access the secure network. The AMP software continuously collects performance and usage data from both the access points and the access controllers to automatically diagnose and alert administrators when problems might affect users.



HP ProCurve Access
Control Server 740w

ProCurve Networking by HP hardware and AirWave software interoperate seamlessly with one another and with the existing network infrastructure, ensuring ease of management and greatly reducing the costs of operating the network. Multiple product versions are available to deliver affordable and scalable solutions for wireless LANs of any size – from relatively small networks in a single building to global, distributed networks on multiple campuses



AMP is the only network management software solution that provides a web UI that gives network administrators a single point of intelligent control from which to monitor, analyze, and configure even complex, multi-vendor wireless network infrastructures in real time.

- ▶ Automatic discovery of existing APs across distributed networks
- ▶ Centralized configuration and auditing of multiple vendors' wireless APs
- ▶ Real-time statistical monitoring of every device and user
- ▶ RF scanning via ProCurve 520w access points
- ▶ Intelligent diagnostics to immediately alert you to any potential problems
- ▶ Automated detection of unauthorized "rogue" access points via a combination of RF scanning and wireline discovery.

ProCurve 700w Series

The HP ProCurve Networking Secure Access 700w series integrates seamlessly into the existing network infrastructure to provide centralized wireless network security and policy management for every user.

- ▶ Secure, appropriate user access
- ▶ Centralized policy control
- ▶ Seamless integration with existing 3rd party infrastructure
- ▶ Guaranteed privacy for wireless network traffic
- ▶ Flexible, secure user authentication
- ▶ Secure roaming from subnet to subnet with application and authentication persistence
- ▶ Flexible and scalable to support a wide range of WLAN deployments
- ▶ Safeguards network integrity

ProCurve Access Points

The HP ProCurve 420 and 520w wireless access points deliver integrated security and superior price performance for enterprise customers. The ProCurve family of access points supports all industry standards to protect your investment in wireless hardware.

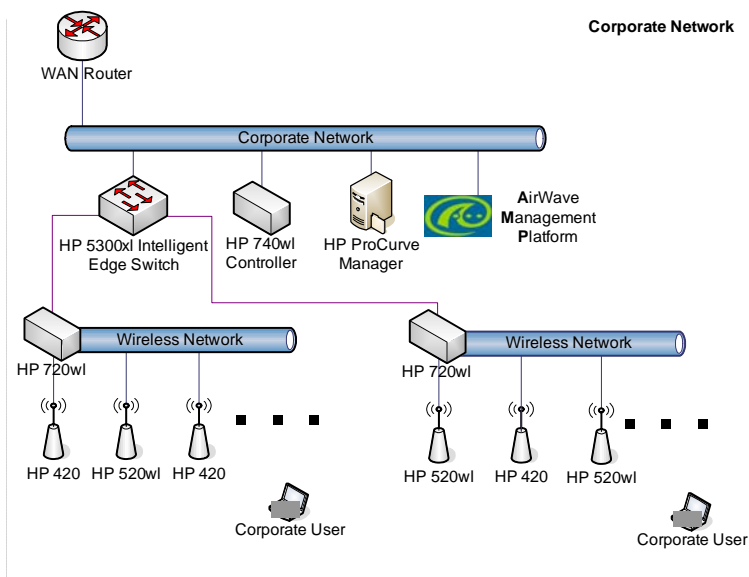
- ▶ Integrated support for 802.11b and 802.11g (ProCurve 420) or dual card slots for flexible 802.11a, 802.11b and/or 802.11g configurations (ProCurve 520w)
- ▶ Flexible security options (802.1x port-based authentication, VLAN support and tagging, Wi-Fi Protected Access (WPA), etc.)
- ▶ Affordable for enterprise deployments of any size.
- ▶ Support for RF scanning for rogue detection and monitoring (ProCurve 520w)

ProCurve Networking by HP & AirWave Together

Centralized Network and Policy Management with Distributed Enforcement

Both the AirWave Management Platform software and the HP ProCurve 740wl Access Control Server reside at the center of an organization's network, enabling efficient installation and centralized management via easy-to-use web-based interfaces. HP ProCurve 720wl Access Controllers reside at the network's edge, enforcing the policies set via a 740wl Access Control Server. Multiple 740wl Access Control Servers can be used for redundancy.

AMP automatically monitors and configures ProCurve Networking by HP access points via SNMP and other standard protocols, giving administrators full remote control over the wireless network infrastructure from AMP's web UI. Administrators use the HP ProCurve 740wl Control Server to efficiently define and apply user policies to the distributed Access Controllers. AMP communicates directly with the Control Server to obtain user authentication data that allows administrators to quickly identify and locate every authorized user on the network by username.



Secure Access

To deliver secure wireless network access, network administrators must: (1) ensure that wireless traffic is encrypted, (2) enforce policies to ensure that only authorized users access the network, and (3) ensure that no unauthorized, unsecured "rogue" access points are connected to the network. The integrated ProCurve Networking by HP and AirWave solutions work together to deliver true enterprise-class security.

Role	ProCurve APs	ProCurve 700 Series	AMP
Wireless Data Encryption	Support industry standard (WEP and WPA) encryption algorithms	Provide additional encryption options such as VPN tunnelling where needed.	Automated configuration and auditing of encryption settings on all APs
Access Control & Authentication	Support 802.1x port-based authentication, VLAN tagging, and more.	Enforce centrally defined user policies at the edge of the network where ingress and egress occur, ensuring that only authorized users are given access the network	Automated enforcement and auditing of access control policies on all APs
Rogue Access Point Detection	HP ProCurve 520wl supports RF scanning for rogue APs	Not Applicable	Automatically detects rogues via both RF scans and Ethernet "fingerprinting"

"We were expecting it to be difficult to install and manage our wireless network but the combination of ProCurve hardware and AMP software made it easy. As a result, we have a reliable Wi-Fi network for our users, with all the monitoring and manageability required by the IT staff."

- Mark Keppinger
Oregon St. University

Open, Interoperable Solutions

AirWave and ProCurve Networking from HP are committed to delivering open, interoperable solutions that adhere to industry standards to enable customers to easily manage complex, multi-vendor networks. The AirWave Management Platform and the HP ProCurve 700 Secure Access Series are vendor-agnostic tools that provide full support for hardware from most leading Wi-Fi vendors, permitting network administrators to monitor and control all their network devices from the same console. The AirWave and ProCurve solutions are designed to interoperate seamlessly with existing network infrastructure and network management solutions, leveraging and extending the customers' existing investments.

Ease of Use

AirWave and ProCurve Networking by HP provide fully functional, yet easy-to-use web-based user interfaces that enable network administrators and help desk personnel without extensive experience with RF networks to quickly and efficiently manage their Wi-Fi infrastructure.