

NEW ProCurve Access Control Server 745wl

The ProCurve Access Control Server 745wl, working in conjunction with either the ProCurve Switch xl Access Controller Module or ProCurve Access Controller 720wl, provides a specialized, highly secure wireless access solution for demanding client environments. The easy-to-deploy, clientless guest-access solution is designed for installations that must deal with uncontrolled mobile clients in environments such as schools and universities, hospitals and hospitality, and businesses where network administrators have no control over the type and configuration of the wireless device. Designed to reduce the cost and complexity of securing a mobile LAN, the solution easily integrates into existing authentication services and wired and wireless infrastructure, enabling increased business productivity by providing mobile users with secure and appropriate access to network services.



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Features and benefits

Policy management

- **Identity-driven network access control and management:** enables network administrators to easily create and maintain robust access policies, including secure wireless guest access to appropriate network services, without risk to the network
- **Precise control over who has access to what and when:** centrally managed access policies combined with edge-enforced packet inspection allow or deny user access to specific network services at the edge of the network, including services such as Internet or intranet Web access, FTP, telnet, specialized application servers, or any network element that can be identified by port and IP address
- **Built-in RADIUS server:** can perform authentication services or act as a proxy server for a remote RADIUS authentication service; active authentication services now enable user authentication and granular access control of user traffic on wireless LANs secured by IEEE 802.11i or WPA
- **Standards-based authentication support for LDAP, Active Directory, and IEEE 802.1X:** seamlessly integrates into existing authentication services or uses the built-in database
- **Misconfigured service management and proxy redirection:** allow secure, transparent login for guests or users who have changed their client network configurations

Resiliency and high availability

- **Access Control Server redundancy and failover:** offers high network availability for mission-critical mobile LAN deployments; in the event the primary ProCurve Access Control Server 745wl should fail or become unreachable, a secondary Access Control Server 745wl immediately steps in and takes over the management of Switch xl Access Controller Modules to help ensure uninterrupted mobile LAN access
- **Roaming across subnets:** helps ensure that users maintain persistent connectivity to the network and applications

Security

- **Wireless data privacy:** IPSec, PPTP, L2TP/IPSec, or SSH tunnels are used to encrypt wireless traffic with DES, 3DES, Blowfish, CAST, or AES, providing the utmost in wireless data privacy.
- **Client VPN sessions:** are terminated using non-proprietary, built-in VPN clients of Microsoft® Windows® and Apple Macintosh operating systems and third-party VPN clients
- **Secure Sockets Layer (SSLv3):** encrypts all HTTP traffic over browser-based connections
- **Anti-MAC-address spoofing:** prevents untrusted users from gaining access by spoofing a trusted user's MAC address

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Performance

- **Support for up to 50,000 concurrent users:** provides user capacity and scalability for large wireless LANs

Quality of Service (QoS)

- **Packet classification:** can be based on a variety of criteria, including VLAN ID, IP, source and destination IP addresses and ports, MAC address, user identity, and Ethertype
- **IEEE 802.1Q VLAN support:**
 - Enables traffic tagging based on user or point of network access
 - Allows placement of wireless traffic on separate VLANs
 - Allows VLAN tags to be removed or remapped
- **Class of Service (CoS):** Access policies enable remapping of QoS marking, including DiffServ value, IP precedence, or Type of Service (ToS).

Management

- **The Administration Console:** simplifies the deployment and management of a secure mobile LAN by providing a single place to create and manage user access policies, administer system-wide management, and monitor all Access Control Server 745wl components as well as all user activity
- **Multiple administrator accounts:** enhance network security by offering three levels of access to the Administration Console, increasing network security and accountability by separating network management functions from access policy administration—both assigned and controlled by a superuser account
- **Complete session logging:** provides detailed information for problem identification and resolution

Connectivity

- **High-speed backbone connectivity:** provides connectivity to a Gigabit Ethernet backbone

Industry-leading warranty

- One-year next-business-day advance replacement (available in most countries), with extensions available

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Services

- 3-year, parts only, global next-day advance exchange (UA427E)
- 3-year, 4-hour onsite, 13x5 coverage for hardware (U6449E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (U6448E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6322E)
- 1-year, post-warranty, parts only, global next-day advance exchange (U8142PE)
- 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (U8143PE)
- 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (U8144PE)
- 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UA425PE)

Check www.hp.com/go/procurveservices for part numbers and service-level descriptions. For details about services and response times in your area, please contact your local HP sales office.

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Specifications



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Ports	1 10/100/1000 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab 1000Base-T Gigabit Ethernet) 1 RS-232C DB-9 console port
Physical characteristics	
Dimensions (D x W x H)	22.63 x 17.25 x 3.5 in. (57.48 x 43.82 x 8.89 cm) (2U height)
Weight	26.9 lb. (12.2 kg)
Environment	
Operating temperature	41°F to 122°F (5°C to 50°C)
Operating relative humidity	5% to 90%, non-condensing
Non-operating/Storage temperature	-40°F to 149°F (-40°C to 65°C)
Web interface	Microsoft Internet Explorer 5.5 or higher Netscape Navigator 6.0 or higher
Electrical characteristics	
Voltage	100–240 VAC
Current	6.3 A
Power consumption	170 W
Frequency	50/60 Hz
Safety	UL 60950-1; CAN/CSA 22.2 No. 60950-1; IEC 60950-1; EN 60950-1
Emissions	FCC part 15 Class A; EN55022 Class A
Immunity	
EN	EN55024, CISPR 24
Harmonics	EN61000-3-2, IEC61000-3-2
Flicker	EN61000-3-3, IEC61000-3-3
Management	ProCurve Manager Plus; command-line interface; Web browser; out-of-band management (DB-9 serial port console)

For more information

To learn more about ProCurve
Networking, please visit
www.procurve.com

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