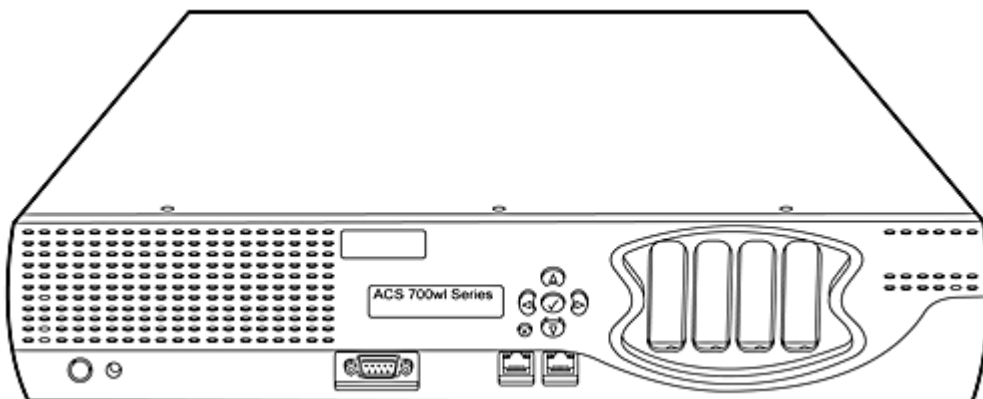


Overview



Models

ProCurve Access Control Server 745wl

J9038A

Introduction

The ProCurve Access Control Server 745wl, working in conjunction with the ProCurve Switch xl Access Controller Module, 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.

Features and Benefits

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

Performance

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

Resiliency and high availability

Overview

- **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

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).

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

Industry-leading warranty

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

Overview

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

Technical Specifications

Ports	1 auto-sensing 10/100/1000 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: IEEE Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only 1 RS-232C DB-9 console port	
Physical characteristics	Dimensions	22.63(d) x 17.25(w) x 3.5(h) 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	EN 55022 Class A	
Immunity	EN	EN 55024, CISPR 24
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	ProCurve Manager Plus; command-line interface; Web browser; out-of-band management (DB-9 serial port console)	

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