

ProCurve Switch xl Access Controller Module

With the addition of the ProCurve Switch xl Access Controller Module, the Switch 5300xl series delivers a unique approach to integrating identity-based user access control, wireless data privacy, and secure roaming with the flexibility of a full-featured intelligent edge switch. Centrally managed from the ProCurve Secure Access Server 745wl, the unit provides a modular approach to unifying wireless and wired mobility, enabling network managers to easily deploy edge-enforced access control on existing 5300xl switched networks or to design new, highly scalable, secure Switch 5300xl-based mobile LANs.



ProCurve Switch xl Access Controller Module (J8162A)



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Features and benefits

• **Choice and flexibility:**

- Leveraging the versatility of the Switch 5300xl series, the ProCurve Switch xl Access Controller Module unifies wireless and wired mobility user access control in a 5300xl intelligent edge switch platform to meet the mobile LAN demands of today—and it easily scales as business needs change.
- The Switch xl Access Controller Module enables network managers to easily deploy edge-enforced access control on any or all 5300xl ports or integrate user access control into new highly scalable and secure 5300xl switch-based networks.
- The modular design of the 5300xl allows network designers to leverage port type, density, and PoE capability to deploy a secure and cost-effective mobile LAN as an integrated component of a 5300xl intelligent edge switch.
- As a mobile LAN grows, the edge-enforcement capabilities of the Switch 5300xl easily scale by simply installing an additional Switch xl Access Controller Module in any ProCurve 5300xl intelligent edge switch.

• **Identity-driven policy management:**

- **Rights-based network access control and management:** enables network administrators to easily create and maintain robust access policies that permit or deny mobile access to network resources based on user identity, location, and time of day
- **Same mobile LAN for all users:** there is no need to deploy separate networks since identity-based access control allows multiple types of users (employees, visitors, temporary workforce) on the same network to access specific network services without risk to network security or unauthorized access to sensitive data

- **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

• **Wireless data privacy:**

- Client VPN sessions are terminated using non-proprietary, built-in VPN clients of Microsoft and Mac operating systems and third-party VPN clients.
- 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.
- User authentication and appropriate access to network resources can be controlled at the edge of the network since all secure tunnels terminate at each 5300xl edge switch.

• **Client-based bandwidth rate limiting:**

- prioritizes network bandwidth based on business need by setting limits on upstream and downstream bandwidth based on user, group, time, and location

• **Roaming across subnets:** helps ensure that users maintain persistent connectivity to the network and applications

• **Standards-based authentication support for LDAP, Active Directory, and IEEE 802.1X:**

- seamlessly integrates into existing authentication services or uses the built-in database

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- **IEEE 802.1Q VLAN support:**
 - Supports standards-based tagging based on user or point of network access
 - Allows placement of wireless traffic on separate VLANs
 - Provides application of filters based on VLAN ID
- **Misconfigured service management and proxy redirection:** allow secure, transparent login for guests or users who have changed their client network configurations
- **Anti-MAC address spoofing:** prevents untrusted users from gaining access by spoofing a trusted user's MAC address
- **Complete session logging:** provides detailed information for problem identification and resolution
- **Lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

Services

For services information, see the ProCurve Switch 5300xl series. Services for modules are covered under the product in which they are installed.

Specifications



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Physical characteristics	
Dimensions (D x W x H)	20.32 x 22.78 x 24.45 cm (8.0 x 8.97 x 1.75 in.)
Weight	0.86 kg (1.9 lb.)
Environment	
Operating temperature	5°C to 40°C (41°F to 104°F)
Operating relative humidity	15% to 80% @ 40°C (104°F), non-condensing
Non-operating/Storage temperature	-40°C to 70°C (-40°F to 158°F)
Non-operating/Storage relative humidity	20% to 90% @ 65°C (149°F), non-condensing
Altitude	Up to 4.6 km (15,091 ft.)
Safety	EN 60950/IEC 60950; UL 60950
Emissions	EN55022/CISPR-22 Class A
Immunity	
EN	EN55024, CISPR 24
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Features	Network: Network address translation; custom NAT range; port address translation; real IP mode; HTTP/HTTP proxy support; DHCP client; DHCP server (in NAT mode); DHCP relay (in Real IP mode) Security: VPN client compatibility: Certicom, Mac OS X, Microsoft, NetScreen, PGP, SafeNet; MPPE 40, 128-bit encryption; IKE and ESP tunnel mode; SHA-1, MD5, HMAC-SHA-1, HMAC-MD5; Diffie-Hellman, Groups 1, 2, 5; MS CHAP, MS CHAP v2; session redirects; X.509 certificate support; session timer; linger timer; roaming denial System management: Secure Web-based GUI; CLI; remote CLI access via SSH; secure, digitally signed software upgrades, TFTP, FTP, HTTP; centralized configuration backup and restore; SNMP MIB II compliant Logging and monitoring: Session logging; Syslog server interface; session duration; source/destination address; bytes transmitted/received