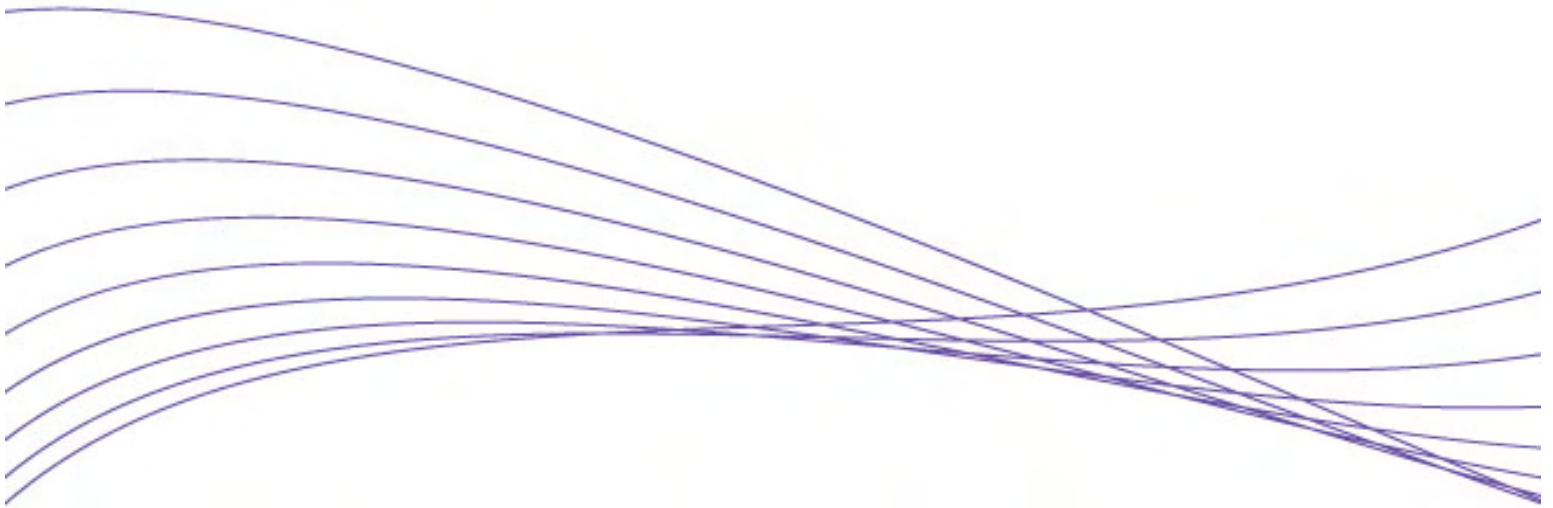


ProCurve Radio Port 210

The ProCurve Radio Port 210, with support for 802.11g wireless operation, works in conjunction with the ProCurve Wireless Edge Services xl Module to deliver advanced wireless services. These services help provide a highly secure and resilient wireless LAN that dynamically adapts to the demands of a mobile, multi-service network. The ProCurve Radio Port 210, with integrated antenna design, provides a cost-effective solution for office-area wireless deployments that do not require 802.11a wireless client support.



ProCurve Radio Port
210 (J9004A)



ProCurve Radio Port 210

Features and benefits

Resiliency and high availability

- **Network self-healing:** In the event of a radio port failure, adjacent ProCurve radio ports will adjust transmit power and data rates to maintain wireless LAN coverage.
- **RF detection and interference avoidance:** ProCurve radio ports automatically recalibrate channel assignments to avoid environmental or other 802.11-based wireless interference.

Security

- **Choice of IEEE 802.11i, Wi-Fi Protected Access 2 (WPA2), or WPA:** locks out unauthorized wireless access by authenticating users prior to granting network access; robust Advanced Encryption Standard (AES) or Temporal Key Integrity Protocol (TKIP) encryption secures the data integrity of the wireless traffic
- **IEEE 802.1X:** provides port-based user authentication with support for Extensible Authentication Protocol (EAP), TLS, TTLS, PEAP, and SIM, with choice of AES, TKIP, and static or dynamic WEP encryption for protecting wireless traffic between authenticated clients and the access point
- **4 BSSIDs/16 SSIDs per radio:** Multiple wireless broadcast domains with separate security, authentication, and policy configuration per SSID provide access control of network resources based on user authentication and level of trusted security between the wireless user and the network.
- **Web-based authentication:** similar to 802.1X, provides a browser-based environment to authenticate clients that do not support the 802.1X supplicant
- **RADIUS-based MAC authentication:** a wireless client is authenticated with a RADIUS server based on the MAC address of the client; this is useful for clients that have minimal or no user interface
- **Neighbor access point (rogue AP) detection:** Each ProCurve radio port simultaneously scans for the presence of other access points while servicing wireless

clients. Radio ports can be configured as dedicated RF monitors for continuous monitoring of the RF environment.

- **Inter-station traffic blocking:** prevents communication between client devices associated on the same radio port
- **Closed system:** restricts broadcast of SSID as a security measure to conceal presence of the wireless network

Connectivity

- **IEEE 802.11g single-radio design:** provides a highly cost-effective solution for wireless LAN deployments when 802.11a wireless client support is not a requirement
- **Integrated diversity antenna with omnidirectional coverage:** provides robust wireless LAN coverage for open office environments
- **International country configuration:** Centrally configured on the ProCurve Wireless Edge Services xl Module, all ProCurve radio ports automatically adjust to match selected country regulatory requirements.
- **Auto Channel Select (ACS):** helps minimize radio co-channel interference by automatically selecting an unoccupied radio channel
- **Adjustable output power:** controls cell size for high-density access point deployments

Quality of Service (QoS)

- **Wi-Fi WMM support:** provides QoS functionality in wireless networks by prioritizing wireless traffic from different applications
- **SpectraLink voice priority (SVP) support:** prioritizes SpectraLink voice IP packets sent from a SpectraLink NetLink SVP server to SpectraLink wireless voice handsets to help ensure excellent voice quality
- **Fast, secure roaming:** enables seamless, fast roaming with pre-cached authentication credentials for wireless users

Industry certifications

ProCurve Radio Port 210

- Visit www.procurve.com for an up-to-date list of industry certifications.

replacement (available in most countries)

Industry-leading warranty

- **Lifetime warranty:** for as long as you own the product, with next-business-day advance

Services

- 3-year, 4-hour onsite, 13x5 coverage for hardware (UD542E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (UD543E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UD544E)

ProCurve Radio Port 210

Specifications

Ports

1 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX)

Physical characteristics

Dimensions

6.9(d) x 9.8(w) x 1.67(h) in. (17.53 x 24.89 x 4.24 cm)

Weight

1.2 lb. (0.54 kg)

Mounting

Ceiling mount to suspended ceiling T-bar or wall mount

Environment

Operating

- Temperature: 32°F to 104°F (0°C to 40°C)

- Relative humidity: 5% to 95% , non-condensing

- Altitude: up to 10,000 ft. (3 km)

Non-operating/Storage

- Temperature: -40°F to 158°F (-40°C to 70°C)

- Relative humidity: 5% to 95%, non-condensing

Electrical characteristics

Voltage: 48 Vdc (PoE)

Max heat dissipation: 18

BTU/hr

Current: 0.104 A

Power consumption: 5 W

Frequency Band and Operating Channels

China

2.412-2.472 GHz (13 channels)

Singapore

2.412-2.472 GHz (13 channels)

Taiwan

2.412-2.4624 GHz (11 channels)

FCC (US & Canada)

2.412-2.462 GHz (11 channels)

European Union

2.412-2.472 GHz (13 channels)

Japan

2.412-2.484 GHz (14 channels)

Radio

FCC Part 15.247; FCC Part

15.407 (US); RSS-210

(Canada); EN 300 328; EN 301

893 (Europe); ARIB STD-T66;

ARIB STD-T71; ARIB STD-33

Safety

UL 60950-1; CAN/CSA 22.2

No. 60950-1; IEC 60950-1; EN 60950-1

Emissions

EN 60601-1-2; EN 301 489-1;

EN 300 489-17; FCC Part

15.107; FCC Part 15.109;

ICES-003 (Canada)

RF Exposure

FCC Bulletin OET-65C;

IEEE C95.1; RSS-102

ProCurve Radio Port 210

Specifications (continued)

Radio characteristics

IEEE 802.11b

Output power: 17.5 dBm (EIRP)

Data rate	11 Mbps	5.5 Mbps	2 Mbps	1 Mbps
Receiver sensitivity	-84 dBm	-87 dBm	-88 dBm	-90 dBm
Transmit power	17.5 dBm	17.5 dBm	17.5 dBm	17.5 dBm

IEEE 802.11g

Output power: 17 dBm (EIRP)

Data rate	54 Mbps	48 Mbps	36 Mbps	24 Mbps	18 Mbps	12 Mbps
Receiver sensitivity	-68 dBm	-70 dBm	-75 dBm	-79 dBm	-81 dBm	-85 dBm
Transmit power	12.5 dBm	12.5 dBm	14 dBm	14 dBm	16.5 dBm	16.5 dBm

Data rate	9 Mbps	6 Mbps
Receiver sensitivity	-87 dBm	-88 dBm
Transmit power	17 dBm	17 dBm

© 2006 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

To learn more, visit www.procurve.com
Information is subject to change without notice

