XAP-1010

Luxul Xen™ High Performance Flush Mount 802.11b/g/n Wireless Access Point

WHAT THIS PRODUCT DOES

The Luxul Xen™ High Performance Flush Mount 802.11n Wireless Access Point (XAP-1010) provides exceptional Wi-Fi performance in a sleek design that allows for unobtrusive mounting within a ceiling or wall. It implements Luxul's exclusive and patented Xen3D™ technology to deliver 4 times the coverage of traditional Wi-Fi equipment. Because it only requires a single Ethernet cable for both power and data, it is simple to install and is a great choice for delivering single access point whole home or small office Wi-Fi coverage.

USE THE XAP-1010 TO:

▸ Provide an Unobtrusive Wireless Network that Eliminates Unsightly Cables or Equipment

▸ Deliver "Whole Home" or Office 802.11n Wi-Fi Coverage With a Single Access Point

▸ Increase Mobile Client Device Network Sensitivity and Performance

▸ Simplify Installation While Minimizing Setup Time and Expense

▸ Eliminate Client Device Roaming Issues

FEATURES

▸ Patented Xen3D™ Technology

▸ Highest FCC Approved Performance (Effective EIRP 36dBm)

▸ 18dB of Receive Gain Increases Client Device Network Sensitivity

▸ 2.4 GHz IEEE 802.11n Compliant

▸ QoS Functionality

▸ Enhanced Multi-Level Security

▸ Up to 8 SSIDs and Support for VLAN Tagging

▸ Single Cable Installation with POE

▸ Easy Setup through Web-based XenSmart™ User Interface

▸ Install in Wall or in Ceiling

The Luxul Xen™ High Performance Flush Mount 802.11n Wireless Access Point (XAP-1010) is designed for discreet use in residential and commercial Wi-Fi installations—delivering optimal network performance, while blending unobtrusively with the décor when installed inside a wall or ceiling. Powered by Luxul's Xen3D™ Technology, the XAP-1010 enhances data throughput and coverage by as much as 400% over traditional Wi-Fi gear, providing for whole home or small office coverage with a single access point.

EXPERIENCE SUPERIOR WI-FI PERFORMANCE WITH XEN3D™ TECHNOLOGY

The XAP-1010 represents the most advanced and powerful Wireless Access Point technology on the market. It combines the benefits of industry standard 802.11n wireless networking with Luxul's exclusive and patented Xen3D technology. Xen3D enhances the performance of the overall wireless network by increasing the access point coverage area while also enhancing the receive sensitivity of wireless client devices. This combination ensures a superior Wi-Fi experience that is unmatched by traditional wireless access points.

IMPROVE NETWORK INTEGRITY WHILE SIMPLIFYING INSTALLATION

Designed for installation simplicity, the XAP-1010 requires only a single Ethernet cable to deliver both power and data from any 802.3af or legacy POE injector or switch—significantly reducing installation time and complexity. Plus, because it delivers four times the performance of a traditional wireless access point, the XAP-1010 eliminates the need to deploy multiple access points to provide full residential or small office coverage. This reduces complexity, costs and time associated with network deployment. It also enhances network integrity by eliminating the need for client roaming.

HASSLE-FREE SETUP

Luxul has designed the XAP-1010 to require only minimal configuration—making setup simple and hassle-free. The XenSmart™ web based interface provides for an easy 3-step setup, with more advanced options available when needed. POE support further simplifies the installation process. For maximum benefit, the XAP-1010 is part of the XenConnect™ product suite and is designed to seamlessly integrate with other Luxul Xen switch and router products.

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XAP-1010 TECHNICAL SPECIFICATIONS

Standards	▸ IEEE 802.11n ▸ IEEE 802.11b/g ▸ IEEE 802.3af
Hardware	▸ LAN Port: 1 RJ45 10/100 Mbps data and power input ▸ 7dBi Circular Polarized Directional Antenna ▸ LEDs: All LEDs are internal and not visible when cover plate is in place (Power, WLAN active, LAN link/activity, Bridge mode active).
RF Information	▸ Frequency Band: 2.401 – 2.473GHz ▸ Operating Channels: 11

Available Transmit Power	▸ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 36dBm EIRP
	  ▹ 30dBm @ 6~9Mbps / MCS0
	  ▹ 29dBm @ 12~18Mbps / MCS1-2
	  ▹ 27dBm @ 24~36Mbps / MCS3-4
	  ▹ 26dBm @ 48~54Mbps / MCS5-7
	▸ 2.401 – 2.473GHz (IEEE802.11b): Up to 36dBm EIRP
	  ▹ 30dBm @ 1~11Mbps

Available Receive Gain	▸ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 18dBm ▸ 2.401 – 2.473GHz (IEEE802.11b): Up to 18dBm
Receive Sensitivity (Typical)	▸ 2.401 – 2.473GHz (IEEE802.11n): Up to -91dBm ▸ 2.401 – 2.473GHz (IEEE802.11g): Up to -92dBm ▸ 2.401 – 2.473GHz (IEEE802.11b): Up to -93dBm

Wireless Operation Modes	▸ Access Point ▸ Point-to Point Wireless Bridge ▸ Point-to-Multipoint Wireless Bridge
Management and Security	▸ XenSmart™ Remote Web-based Management ▸ WEP (128 bit) ▸ WPA-PSK (TKIP, AES, TKIP&AES) ▸ WPA2-PSK (AES) ▸ WPA-PSK/WPA2-PSK Auto (TKIP&AES) ▸ Web Based Firmware Upgrade ▸ QoS: Wireless Multi-Media (WMM) Extensions
Certifications	▸ FCC Part 15, Class B
Power Requirements	▸ Ethernet POE in: 48VDC/0.375A for IEEE 802.3af Compliance ▸ Power Consumption: 5W Nominal, 13W Max
Temperature Range	▸ Operating: 14°F to 132°F (-10°C to 50°C) ▸ Storage: -40°F to 158°F (-40°C to 70°C)
Operating Humidity	▸ 5% to 95% (Non-condensing)
Mechanical	▸ Housing Dimensions: Fits within standard 2 gang electrical box (WxHxD: 3.7"(93.98mm) x 3.8"(96.52mm) x 1.1"(27.94mm) ▸ Cover Plate Dimensions WxHxD: 5.5"(139.7mm) x 5.5"(139.7mm) x 3/8"(96.52 mm)
Weight	▸ Item: .7 lbs ▸ With Packaging: 1.5 lbs

Warranty:
▸ 1 year

Minimum System Requirements
▸ Devices Supporting 802.11b, 802.11g or 802.11n
▸ Web Browser (Microsoft IE 7.0 and up, Mozilla Firefox 1.0 and up, Safari 1.0 and up, Google Chrome 5.0 and up)
▸ CAT5 Ethernet Cable
▸ Internet Connection to View Documentation Online

Package Contents
▸ XAP-1010 Wireless Access Point
▸ Paintable Faceplate
▸ 2 Gang Remodel Electrical Box
▸ POE Injector and Power Adapter
▸ Quick Install Guide

All references to speed are for comparison purposes only.
Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.