

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

XAP-1010

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



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.

XAP-1010 TECHNICAL SPECIFICATIONS

Standards	<ul style="list-style-type: none"> ▶ IEEE 802.11n ▶ IEEE 802.11b/g ▶ IEEE 802.3af
Hardware	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ Frequency Band: 2.401 – 2.473GHz ▶ Operating Channels: 11
Available Transmit Power	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 36dBm EIRP <ul style="list-style-type: none"> ▶ 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 <ul style="list-style-type: none"> ▶ 30dBm @ 1-11Mbps
Available Receive Gain	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 18dBm ▶ 2.401 – 2.473GHz (IEEE802.11b): Up to 18dBm
Receive Sensitivity (Typical)	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ Access Point ▶ Point-to-Point Wireless Bridge ▶ Point-to-Multipoint Wireless Bridge
Management and Security	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ FCC Part 15, Class B
Power Requirements	<ul style="list-style-type: none"> ▶ Ethernet POE in: 48VDC/0.375A for IEEE 802.3af Compliance ▶ Power Consumption: 5W Nominal, 13W Max
Temperature Range	<ul style="list-style-type: none"> ▶ Operating: 14°F to 132°F (-10°C to 50°C) ▶ Storage: -40°F to 158°F (-40°C to 70°C)
Operating Humidity	<ul style="list-style-type: none"> ▶ 5% to 95% (Non-condensing)
Mechanical	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ 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.

WHAT THIS PRODUCT DOES

The Luxul Xen™ High Performance Low Profile 802.11n Wireless Access Point (XAP-1020) provides exceptional Wi-Fi performance in an elegant and sleek design that allows for unobtrusive mounting on 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-1020 TO:

- ▶ Provide an Unobtrusive Wireless Network that Minimizes 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

XAP-1020

Luxul Xen™ High Performance Low Profile 802.11n Wireless Access Point



The Luxul Xen™ High Performance Low Profile 802.11n Wireless Access Point (XAP-1020) provides superior Wi-Fi coverage while maintaining a discreet, elegant profile for deployment in post-construction residential and commercial Wi-Fi installations. The XAP-1020 can be installed directly on a wall or ceiling, or mounted to the included adjustable wall bracket that allows the access point to be "aimed" for optimal coverage. Powered by Luxul's Xen3D™ Technology, the XAP-1020 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-1020 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-1020 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-1020 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-1020 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-1020 is part of the XenConnect™ product suite and is designed to seamlessly integrate with other Luxul Xen switch and router products.

XAP-1020 TECHNICAL SPECIFICATIONS

Standards	<ul style="list-style-type: none"> ▶ IEEE 802.11n ▶ IEEE 802.11b/g ▶ IEEE 802.3af
Hardware	<ul style="list-style-type: none"> ▶ LAN Port: 1 RJ45 10/100 Mbps data and power input ▶ 7dBi Circular Polarized Directional Antenna ▶ System LEDs: Power, WLAN active, LAN link/activity, Bridge mode active.
RF Information	<ul style="list-style-type: none"> ▶ Frequency Band: 2.401 – 2.473GHz ▶ Operating Channels: 11
Available Transmit Power	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 36dBm EIRP <ul style="list-style-type: none"> ▶ 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 <ul style="list-style-type: none"> ▶ 30dBm @ 1-11Mbps
Available Receive Gain	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 18dBm ▶ 2.401 – 2.473GHz (IEEE802.11b): Up to 18dBm
Receive Sensitivity (Typical)	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ Access Point ▶ Point-to-Point Wireless Bridge ▶ Point-to-Multipoint Wireless Bridge
Management and Security	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ FCC Part 15, Class B
Power Requirements	<ul style="list-style-type: none"> ▶ Ethernet POE in: 48VDC/0.375A for IEEE 802.3af Compliance ▶ Power Consumption: 5W Nominal, 13W Max
Temperature Range	<ul style="list-style-type: none"> ▶ Operating: 14°F to 131°F (-10°C to 55°C) ▶ Storage: -40°F to 158°F (-40°C to 70°C)
Operating Humidity	<ul style="list-style-type: none"> ▶ 5% to 95% (Non-condensing)
Mechanical	<ul style="list-style-type: none"> ▶ Dimensions WxHxD: 5.5" x 5.5" x 1.5" (139.7x 139.7 x 38.1)
Weight	<ul style="list-style-type: none"> ▶ 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-1020 Wireless Access Point
- ▶ Wall Mounting Bracket and Hardware
- ▶ 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.

WHAT THIS PRODUCT DOES

The Luxul Xen™ Commercial Grade Omni 802.11n Wireless Access Point (XAP-1030) provides exceptional Omnidirectional Wi-Fi performance in a versatile sturdy metal form factor. The XAP-1030 is designed for placement central to the desired coverage area. 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-1030 TO:

- ▶ Provide a Centrally Located High Performance Wi-Fi Network
- ▶ 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

XAP-1030

Luxul Xen™ Commercial Grade Omni 802.11n Wireless Access Point



The Luxul Xen™ Commercial Grade Omni 802.11n Wireless Access Point (XAP-1030) provides superior Omnidirectional Wi-Fi coverage in a sturdy and versatile metal enclosure for deployment in post-construction residential and commercial Wi-Fi installations. The XAP-1030 is designed to be placed inconspicuously in a centrally located location. It can be mounted on a wall or simply placed on a shelf or cabinet. Powered by Luxul's Xen3D™ Technology, the XAP-1030 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-1030 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-1030 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-1030 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-1030 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-1030 is part of the XenConnect™ product suite and is designed to seamlessly integrate with other Luxul Xen switch and router products.

XAP-1030 TECHNICAL SPECIFICATIONS

Standards	<ul style="list-style-type: none"> ▶ IEEE 802.11n ▶ IEEE 802.11b/g ▶ IEEE 802.3af
Hardware	<ul style="list-style-type: none"> ▶ LAN Port: 1 RJ45 10/100 Mbps data and power input ▶ 5dBi Omnidirectional Dipole Antenna ▶ System LEDs: Power, WLAN active, LAN link/activity, Bridge mode active.
RF Information	<ul style="list-style-type: none"> ▶ Frequency Band: 2.401 – 2.473GHz ▶ Operating Channels: 11
Available Transmit Power	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 36dBm EIRP <ul style="list-style-type: none"> ▶ 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 <ul style="list-style-type: none"> ▶ 30dBm @ 1-11Mbps
Available Receive Gain	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 18dBm ▶ 2.401 – 2.473GHz (IEEE802.11b): Up to 18dBm
Receive Sensitivity (Typical)	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ Access Point ▶ Point-to-Point Wireless Bridge ▶ Point-to-Multipoint Wireless Bridge

Management and Security	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ FCC Part 15, Class B
Power Requirements	<ul style="list-style-type: none"> ▶ Ethernet POE in: 48VDC/0.375A for IEEE 802.3af Compliance ▶ Power Consumption: 5W Nominal, 13W Max
Temperature Range	<ul style="list-style-type: none"> ▶ Operating: -4°F to 140°F (-20°C to 60°C) ▶ Storage: -40°F to 158°F (-40°C to 70°C)
Operating Humidity	<ul style="list-style-type: none"> ▶ 5% to 95% (Non-condensing)
Mechanical	<ul style="list-style-type: none"> ▶ Access Point Dimensions WxHxD: 7"(177.8mm) x 4"(101.6mm) x 1.25"(31.75mm)
Weight	<ul style="list-style-type: none"> ▶ Item: 1.2 lbs ▶ With Packaging: 2 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-1030 Wireless Access Point
- ▶ 5dBi Dipole Antenna
- ▶ POE Injector and Power Adapter
- ▶ Four Rubber Feet for Desktop Mounting
- ▶ 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.

WHAT THIS PRODUCT DOES

The Luxul Xen™ Commercial Grade Dual Directional 802.11n Wireless Access Point (XAP-1032) provides exceptional Wi-Fi performance in a versatile sturdy metal form factor. With two directional antennas that can be aimed towards the desired coverage areas, the XAP-1032 is designed to optimize coverage within L-shaped, multi-wing, or very large residential or commercial installations. With Luxul's exclusive and patented Xen3D™ technology it delivers 4 times the coverage of traditional Wi-Fi equipment.

USE THE XAP-1032 TO:

- ▶ Optimize Wi-Fi Coverage in L-Shaped, Multi-Wing or Extra Large Installations
- ▶ 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

XAP-1032

Luxul Xen™ Commercial Grade Dual Directional 802.11n Wireless Access Point



The Luxul Xen™ Commercial Grade Dual Directional 802.11n Wireless Access Point (XAP-1032) provides superior directional Wi-Fi coverage in a sturdy and versatile metal enclosure for deployment in post-construction residential and commercial Wi-Fi installations. The XAP-1032 is designed to be placed inconspicuously above ceiling tiles, in an attic, or other non-public indoor location. It has two directional antennas that can be mounted and "aimed" towards the desired coverage areas—further optimizing the

Wi-Fi signal. Powered by Luxul's Xen3D™ Technology, the XAP-1032 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-1032 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-1032 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-1032 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-1032 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-1032 is part of the XenConnect™ product suite and is designed to seamlessly integrate with other Luxul Xen switch and router products.

XAP-1010 TECHNICAL SPECIFICATIONS

Standards	<ul style="list-style-type: none"> ▶ IEEE 802.11n ▶ IEEE 802.11b/g ▶ IEEE 802.3af
Hardware	<ul style="list-style-type: none"> ▶ LAN Port: 1 RJ45 10/100 Mbps data and power input ▶ Two 7dBi Circular Polarized Directional Antennas ▶ System LEDs: Power, WLAN active, LAN link/activity, Bridge mode active.
RF Information	<ul style="list-style-type: none"> ▶ Frequency Band: 2.401 – 2.473GHz ▶ Operating Channels: 11
Available Transmit Power	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 36dBm EIRP <ul style="list-style-type: none"> ▶ 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 <ul style="list-style-type: none"> ▶ 30dBm @ 1-11Mbps
Available Receive Gain	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 18dBm ▶ 2.401 – 2.473GHz (IEEE802.11b): Up to 18dBm
Receive Sensitivity (Typical)	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ Access Point ▶ Point-to-Point Wireless Bridge ▶ Point-to-Multipoint Wireless Bridge

Management and Security	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ FCC Part 15, Class B
Power Requirements	<ul style="list-style-type: none"> ▶ Ethernet POE in: 48VDC/0.375A for IEEE 802.3af Compliance ▶ Power Consumption: 5W Nominal, 13W Max
Temperature Range	<ul style="list-style-type: none"> ▶ Operating: -4°F to 140°F (-20°C to 60°C) ▶ Storage: -40°F to 158°F (-40°C to 70°C)
Operating Humidity	<ul style="list-style-type: none"> ▶ Operating: -4°F to 140°F (-20°C to 60°C) ▶ Storage: -40°F to 158°F (-40°C to 70°C)
Mechanical	<ul style="list-style-type: none"> ▶ Access Point Dimensions WxHxD: 7"(177.8mm) x 4"(101.6mm) x 1.25"(25.4mm) ▶ Antenna Dimensions WxHxD: 4.25"(113mm) x 4.25"(113mm) x 1"(25.4mm)
Weight	<ul style="list-style-type: none"> ▶ Item: 1.5 lbs ▶ With Packaging: 2.5 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-1032 Wireless Access Point
- ▶ Two 7dBi Circular Polarized Directional Antennas
- ▶ Two Antenna Wall Mount Brackets
- ▶ Two Coax Cables for Connecting Antennas to Access Point
- ▶ POE Injector and Power Adapter
- ▶ Four Rubber Feet for Desktop Mounting
- ▶ Quick Install Guide

All references to speed are for comparison purposes only.

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WHAT THIS PRODUCT DOES

- ▶ The Luxul Xen™ High Performance Outdoor 802.11n Wireless Access Point (XAP-1040) provides superior Wi-Fi performance in a ruggedly elegant weather resistant (IP-66 compliant) enclosure. It implements Luxul's exclusive and patented Xen3D™ technology to deliver 4 times the coverage of traditional Wi-Fi equipment. It is simple to install and is a great choice for delivering coverage to outdoor areas or as a point-to-point/point-to-multipoint bridge solution.

USE THE XAP-1040 TO:

- ▶ Provide a High Performance Outdoor 802.11n Wi-Fi Network
- ▶ Setup a Superior Point-to-Point or Point-to-Multipoint Bridge Link
- ▶ 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
- ▶ Weather Resistant IP-66 Compliant Enclosure

XAP-1040

Luxul Xen™ High Performance Outdoor 802.11n Wireless Access Point



The Luxul Xen™ High Performance Outdoor 802.11n Wireless Access Point (XAP-1040) provides superior Wi-Fi coverage for outdoor areas while maintaining an unobtrusive profile for use in residential and commercial Wi-Fi installations. The ruggedly elegant XAP-1040 is weather resistant to IP-66 specifications and can be installed directly on a wall or on a pole with the included mounting bracket. It is also an excellent solution for creating a point-to-point or point-to-multipoint bridge link. Powered by Luxul's Xen3D™ Technology, the XAP-1040 enhances data throughput and coverage by as much as 400% over traditional Wi-Fi gear.

EXPERIENCE SUPERIOR WI-FI PERFORMANCE WITH XEN3D™ TECHNOLOGY

The XAP-1040 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-1040 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-1040 eliminates the need to deploy multiple access points to provide full outdoor 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-1040 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-1040 is part of the XenConnect™ product suite and is designed to seamlessly integrate with other Luxul Xen switch and router products.

XAP-1040 TECHNICAL SPECIFICATIONS

Standards	<ul style="list-style-type: none"> ▶ IEEE 802.11n ▶ IEEE 802.11b/g ▶ IEEE 802.3af ▶ IP-66
Hardware	<ul style="list-style-type: none"> ▶ LAN Port: 1 RJ45 10/100 Mbps data and power input ▶ 7dBi Circular Polarized Directional Antenna ▶ LEDs: All LEDs are internal and not visible with cover in place (Power, WLAN active, LAN link/activity, Bridge mode active).
RF Information	<ul style="list-style-type: none"> ▶ Frequency Band: 2.401 – 2.473GHz ▶ Operating Channels: 11
Available Transmit Power	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 36dBm EIRP <ul style="list-style-type: none"> ▶ 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 <ul style="list-style-type: none"> ▶ 30dBm @ 1-11Mbps
Available Receive Gain	<ul style="list-style-type: none"> ▶ 2.401 – 2.473GHz (IEEE802.11g/n): Up to 18dBm ▶ 2.401 – 2.473GHz (IEEE802.11b): Up to 18dBm
Receive Sensitivity (Typical)	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ Access Point ▶ Point-to-Point Wireless Bridge ▶ Point-to-Multipoint Wireless Bridge
Management and Security	<ul style="list-style-type: none"> ▶ 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	<ul style="list-style-type: none"> ▶ FCC Part 15, Class B
Power Requirements	<ul style="list-style-type: none"> ▶ Ethernet POE in: 48VDC/0.375A for IEEE 802.3af Compliance ▶ Power Consumption: 5W Nominal, 13W Max
Temperature Range	<ul style="list-style-type: none"> ▶ Operating: -4°F to 131°F (-20°C to 55°C) ▶ Storage: -40°F to 158°F (-40°C to 70°C)
Operating Humidity	<ul style="list-style-type: none"> ▶ 5% to 95% (Non-condensing)
Mechanical	<ul style="list-style-type: none"> ▶ Dimensions WxHxD: 7.9" (200mm) x 7.5" (190mm) x 3.15" (80mm)
Weight	<ul style="list-style-type: none"> ▶ Item: 1.2 lbs ▶ With Packaging: 2 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-1040 Wireless Access Point
- ▶ Weather Resistant RJ45 Connector Gland
- ▶ Dual Purpose Mounting Bracket for Wall or Pole
- ▶ POE Injector and Power Adapter
- ▶ Quick Install Guide

All references to speed are for comparison purposes only.

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