

### WHAT THIS PRODUCT DOES

The Luxul 8-port Gigabit Ethernet Smart POE Switch (XMS-1008P) provides exceptional performance, quality and reliability. All 8 ports deliver IEEE 802.3af POE support for powering 802.3af-compliant devices via network cable at the maximum power of 15.4W per port. The XMS-1008P is an excellent choice for expanding your wired network or setting up a VoIP, multimedia or extreme gaming environment with POE enabled devices.

### USE THE XMS-1008P TO:

- ▶ Combine the Benefits of POE with Gigabit Technology (10X Performance of Fast Ethernet)
- ▶ Simplify POE Device Installation, While Enhancing Network Performance
- ▶ Provide Intuitive Network Management and Optimization Capabilities
- ▶ Optimize and Protect Your Network with Advanced VLAN, QoS and Network Security Features

### FEATURES

- ▶ 8 10/100/1000Mbps RJ45 Ports with Integrated POE
- ▶ All 8 Ports Can Deliver 15.4W of Power (IEEE 802.3af)
- ▶ Remote Reboot of POE Devices
- ▶ 2 Independent 10/100/1000BASE-T/SFP Ports
- ▶ Full-Duplex Flow Control
- ▶ NWay Auto Negotiation
- ▶ Auto uplink (MDI/MDI-X)
- ▶ Port Based Authentication
- ▶ Quality of Service (QoS)
- ▶ Port Based and 802.1Q VLAN Support
- ▶ Simple XenConnect™ Plug and Play
- ▶ Intuitive XenSmart™ Web Based Management
- ▶ 19" Rack-Mountable Metal Enclosure

## XMS-1008P

### 8-Port Gigabit Ethernet Smart POE Switch



Equipped with 8 Gigabit Ethernet/POE ports and two combo SFP expansion ports, the Luxul XMS-1008P Gigabit Ethernet Smart POE Switch (XMS-1008P) delivers enterprise class functionality for enhanced performance, security and network management. By combining advanced Gigabit switch technologies with the ability to deliver power to POE-enabled devices via standard network cables, the XMS-1008P offers a powerful, scalable and affordable solution for optimizing residential and commercial networks.

### OPTIMIZE YOUR HOME OR OFFICE NETWORK

The advanced features of the XMS-1008P allow you to tailor and optimize your network to meet your unique requirements. Each Gigabit Ethernet port provides a full 15.4 watts of power—allowing for the delivery of both power and data to POE-enabled devices using standard Ethernet cables at distances of up to 300 feet. Further, with advanced VLAN and Quality of Service (QoS) features, you can ensure VoIP, online gaming, video streaming and other high priority applications always deliver the highest level of performance. In addition, with Bandwidth Control, you can allocate bandwidth at the port level and further guarantee that critical functions are optimized.

### ENHANCE YOUR NETWORK SECURITY

The XMS-1008P supports 802.1X port-based authentication, allowing the network to be authenticated through external RADIUS servers. In addition, the Access Control List (ACL) feature enhances network security and helps to protect the internal IT network. The XMS-1008P includes ARP Spoofing Prevention, which protects from attacks on the Ethernet network that may allow an intruder to sniff data frames on a LAN, modify traffic, or bring traffic to a halt by sending fake ARP messages to the network. To prevent ARP Spoofing attacks, the switch uses Packet Control ACLs to block invalid packets that contain fake ARP messages.

### HASSLE-FREE IMPLEMENTATION

The XMS-1008P comes pre-configured, making setup simple and hassle-free. To optimize the switch to your unique environment, Luxul provides easy to use XenSmart™ web-based management tools along with various downloadable configuration options. For maximum benefit, the XMS-1008P is part of the XenConnect™ product suite and is designed to seamlessly integrate with other Luxul switch, router, and wireless access point products.

### XMS-1008P TECHNICAL SPECIFICATIONS

<b>Protocols and Standards</b>	<ul style="list-style-type: none"> <li>▶ IEEE 802.3 10Base-T Ethernet</li> <li>▶ IEEE 802.3u 100Base-TX Fast Ethernet</li> <li>▶ IEEE 802.3ab 1000Base-T Gigabit Ethernet</li> <li>▶ IEEE 802.3z 1000Base-X Gigabit Ethernet</li> <li>▶ IEEE 802.3af Power over Ethernet</li> <li>▶ IEEE 802.3 N-way Auto-negotiation</li> <li>▶ IEEE 802.3x Flow Control</li> <li>▶ IEEE 802.1D STP, 802.1w RSTP Spanning Tree Protocol</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>▶ Number of Ports: <ul style="list-style-type: none"> <li>▷ 8 - 10/100/1000BASE-T, POE;</li> <li>▷ 2 - 10/100/1000BASE-T/SFP</li> </ul> </li> <li>▶ MAC Address Table: 8K</li> <li>▶ Switch Fabric: 20Gbps</li> <li>▶ Transmission Method: Store-and-forward</li> <li>▶ Auto uplink (MDI/MDI-X) detection and configuration</li> <li>▶ IGMP Snooping</li> <li>▶ Loopback Detection: Auto disable when loop is detected</li> <li>▶ Port Mirroring: one-to-one, many-to-one</li> </ul>
<b>VLAN</b>	<ul style="list-style-type: none"> <li>▶ 802.1Q max 4094 VLANs</li> <li>▶ Port Based VLAN</li> <li>▶ Supports 1 Management VLAN</li> </ul>
<b>Quality of Service (QoS)</b>	<ul style="list-style-type: none"> <li>▶ 4 Queues per port</li> <li>▶ Queue handling: Strict, Weighted Round Robin (WRR)</li> <li>▶ CoS based on DSCP, 802.1P and Port-based Priority Queues</li> <li>▶ Port based bandwidth control</li> </ul>
<b>Access Control List</b>	<ul style="list-style-type: none"> <li>▶ Maximum profiles: 50</li> <li>▶ Maximum rules shared by profiles: 240</li> <li>▶ ACL based on MAC address, IPv4 Address, VLAN ID, 802.1p Priority, DSCP</li> <li>▶ ACL actions: permit, deny</li> </ul>

<b>Security</b>	<ul style="list-style-type: none"> <li>▶ 802.1X Port Based Access Control: Default forwarding</li> <li>▶ Port Security: Supports up to 64 MAC addresses per port</li> <li>▶ Traffic Control: Broadcast/multicast/unicast storm control</li> <li>▶ Static MAC: Supports 256 Static MAC entries</li> </ul>
<b>Management Features</b>	<ul style="list-style-type: none"> <li>▶ Web Based GUI</li> <li>▶ System Log: Max 500 log entries</li> </ul>
<b>Network Data Transfer Rate</b>	<ul style="list-style-type: none"> <li>▶ Ethernet: 10Mbps (Half-duplex)</li> <li>▶ Ethernet: 20Mbps (Full-duplex)</li> <li>▶ Fast Ethernet: 100Mbps (Half-duplex)</li> <li>▶ Fast Ethernet: 200Mbps (Full-duplex)</li> <li>▶ Gigabit Ethernet: 1000Mbps (Half-duplex)</li> <li>▶ Gigabit Ethernet: 2000Mbps (Full-duplex)</li> </ul>
<b>Interface Options</b>	<ul style="list-style-type: none"> <li>▶ RJ-45: <ul style="list-style-type: none"> <li>▷ 10BASE-T: Cat.5 UTP/STP</li> <li>▷ 100BASE-TX: Cat.5 UTP/STP</li> <li>▷ 1000BASE-T: Cat.5, Cat.5e, or Cat.6 UTP/STP</li> </ul> </li> <li>▶ Gigabit fiber/copper uplinks on SFP ports</li> <li>▶ Cable Recognition for Straight-through or Crossover Cables</li> </ul>
<b>Certifications</b>	FCC Class A, CE, RoHS
<b>LED</b>	<ul style="list-style-type: none"> <li>▶ Per unit: Power</li> <li>▶ Per port: Link/Activity, 1000mbps, POE</li> </ul>
<b>Power Consumption</b>	120 Watts Maximum (POE Full Run)
<b>Power Supply</b>	Internal Switched Power, AC 100-240V, 50-60Hz input
<b>Operating Temperature</b>	32°F to 104°F (0°C to 40°C)
<b>Operating Humidity</b>	10% to 90% (Non-condensing)
<b>Dimensions</b>	W x D x H: 17.3"(439.5mm) x 8.3"(211mm) x 1.7"(43.2mm)
<b>Weight</b>	<ul style="list-style-type: none"> <li>▶ Item: 6 lbs</li> <li>▶ Packaging: 8 lbs</li> </ul>

#### Warranty:

- ▶ 1 year

#### Minimum System Requirements

- ▶ Devices Supporting 802.3 Ethernet, 802.3u Fast Ethernet, or 802.3ab Gigabit Ethernet
- ▶ CAT5 Ethernet Cable
- ▶ Internet Connection to View Documentation Online

#### Package Contents

- ▶ One: XMS-1008P 8-port Gigabit Ethernet Smart POE Switch
- ▶ One: Power Cord
- ▶ One: Quick Install Guide
- ▶ Mounting Brackets and Rubber Footpads

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.