

### WHAT THIS PRODUCT DOES:

The Luxul 24-port Gigabit Ethernet Smart Switch (XMS-1024) provides exceptional performance, quality and reliability. It is an excellent choice for expanding your wired network or setting up a VoIP, multimedia or extreme gaming environment. This 24-port Gigabit Switch features advanced XenSmart™ management and security capabilities to ensure optimal benefit from your home or office network.

### USE THE XMS-1024 TO:

- ▶ Provide Intuitive Network Management and Optimization Capabilities
- ▶ Expand Your Home or Office 10/100/1000 Ethernet Network
- ▶ Future Proof Your Network with Gigabit Speeds (10X Performance of Fast Ethernet)
- ▶ Optimize and Protect Your Network with Advanced VLAN, QoS and Network Security Features

### FEATURES:

- ▶ 24 10/100/1000Mbps RJ45 Ports
- ▶ 2 Shared 10/100/1000BASE-T/SFP Ports
- ▶ Simple XenConnect™ Plug and Play
- ▶ Intuitive XenSmart™ Management
- ▶ 48Gbps Switching Capacity
- ▶ Full-Duplex Flow Control
- ▶ NWay Auto Negotiation
- ▶ Auto Uplink (MDI/MDI-X)
- ▶ Port Based Authentication
- ▶ Quality of Service (QoS)
- ▶ Non-Blocking Architecture
- ▶ Standard 19" Rack-Mountable Metal Case

## XMS-1024 24-Port Gigabit Ethernet Smart Switch



Equipped with 24 Gigabit Ethernet ports and two shared SFP expansion ports, the Luxul XMS-1024 Gigabit Ethernet Smart Switch (XMS-1024) delivers advanced functionality for enhanced performance, security and network management. It provides a complete, scalable and affordable solution for use in home and office environments.

### SIMPLE NETWORK SETUP AND MANAGEMENT WITH XENSMART™

The XMS-1024 features Luxul's exclusive XenSmart management tools. With XenSmart, management is simple and can be done remotely with an easy to use web interface. Plus, for hassle free set up and optimization, Luxul offers multiple pre-configuration options that can be easily downloaded and installed onto your XMS-1024.

### OPTIMIZE YOUR HOME OR OFFICE NETWORK

The advanced features of the XMS-1024 allow you to tailor and optimize your network to meet your unique requirements. With advanced port-based 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-1024 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-1024 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.

### HASSLE-FREE IMPLEMENTATION

The XMS-1024 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-1024 is part of the XenConnect™ product suite and is designed to seamlessly integrate with other Luxul switch, router, and wireless access point products.

### XMS-1024 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 802.3 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>▷ 24 10/100/1000BASE-T</li> <li>▷ 2 Shared 10/100/1000BASE-T/SFP</li> </ul> </li> <li>▶ MAC Address Table: 8K</li> <li>▶ Switch Fabric: 48Gbps</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, mirroring for Tx/Rx/Both</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 DCSP, 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>▷ 10 Base-T: Cat.5 UTP /STP</li> <li>▷ 100 Base-TX: Cat.5 UTP /STP</li> <li>▷ 1000Base-T: Cat.5, Cat.5e or Cat.6 UTP/STP</li> </ul> </li> <li>▶ Gigabit fiber 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</li> </ul>
<b>Power Consumption</b>	27.5 Watts Maximum
<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: 6.5 lbs (2.95Kg)</li> <li>▶ Packaging: 8 lbs (3.63Kg)</li> </ul>

#### Warranty:

- ▶ 1 year

#### 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-1024 24-Port Gigabit Ethernet Smart Switch
- ▶ One: Power Cord
- ▶ One: Quick Install Guide
- ▶ Mounting Brackets and Rubber Footpads/Minimum System

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.