AMS-1816P

AV Series 18-Port Gigabit PoE+ L2/L3 Managed Switch

Front

Back

WHAT THIS PRODUCT DOES:

The AMS-1816P is an 18-port Gigabit switch that easily functions on its own or provides cost effective expandability via its two Gigabit SFP uplink ports to other Luxul switches in your AV rack. The 16 PoE+ ports provide a robust 185W power budget and simple power management to automation touch panels, security cameras, and other PoE-powered devices. The compact, rack-mountable design, selectable green/blue front-facing LEDs, and variable speed fans ensure aesthetic and quiet operation. The AMS-1816P provides simple installation with powerfully intuitive management, including L2/L3 switching, 802.1Q VLAN support with trunking, and QoS prioritization support.

PoE managed switches also now include port auto-recovery and power scheduling, ensuring system reliability and uptime. Port auto-recovery allows the switch to power cycle unresponsive PoE devices, ensuring system reliability and uptime. Port power scheduling allows PoE ports to be turned on or off on a schedule.

- Simplify PoE device installation, including IP security cameras, VoIP devices, and wireless APs
- Optimize and protect your network with advanced VLAN, QoS, and network security features

FEATURES:

- 16 Gigabit 802.3af/at PoE+ ports (185W power budget)
- Two Gigabit SFP ports
- 802.1Q VLAN (with trunking) and QoS support
- User-selectable green or blue front-facing LEDs
- Variable speed fans for quiet operation
- Standard 19" rack-mount
- Full Layer 2/3 support

TECHNICAL SPECIFICATIONS

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3af, IEEE 802.1D, IEEE 802.3x, IEEE 802.1P, IEEE 802.1Q, IEEE 802.1X

Interface	▸ RJ-45
	  ▸ 10 Base-T: Cat.5 UTP/STP
	  ▸ 100 Base-TX: Cat.5 UTP/STP
	  ▸ 1000 Base-T: Cat.5, Cat.5e, or Cat.6 UTP/STP
	▸ Gigabit fiber uplinks on SFP ports
	▸ Ethernet cable recognition for straight-through or crossover cables

Surge Protection	The RJ45 port surge protection is tested to: EN61000-4-5 (for RJ45 port, surge 6KV)
LEDs	**Front** ▸ Per unit: Power ▸ Per port: Link/Activity ▸ Dual-color, user-selectable **Back** ▸ Per port: Link/Activity ▸ 10/100/1000
Power Budget	185 watts
Max Power Consumption	250W
Power	Internal switched power, AC 100-240V, 50-60Hz input
VLAN	▸ 802.1Q max 4094 VIDs & VLAN trunking ▸ Supports 1 management VLAN
Quality of Service (QoS)	▸ 4 queues per port ▸ Queue handling: Strict, Weighted Round Robin (WRR) ▸ CoS based on DCSP, 802.1P ▸ Port-based bandwidth control
Network Data Transfer Rate	▸ Ethernet: 10Mbps (half-duplex) ▸ Ethernet: 20Mbps (full-duplex) ▸ Fast Ethernet: 100Mbps (half-duplex) ▸ Fast Ethernet: 200Mbps (full-duplex) ▸ Gigabit Ethernet: 1000Mbps (half-duplex) ▸ Gigabit Ethernet: 2000Mbps (full-duplex)
Layer 3	Layer 3 static routing
Operating Temperature	32°F to 104°F (0°C to 40°C)
Operating Humidity	10% to 90% (non-condensing)
Dimensions LxWxH in. (mm)	17.4"(442) x 8.3"(211) x 1.75"(44.5)
Weight lbs (kg)	5.95 (2.7)
Certification	FCC, IC, CE-EMC, CE-LVD, and RoHS

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.

Warranty:

- Three-year limited warranty

Minimum System Requirements

- Ethernet cable
- Computer with Windows, Mac, or Linux OS
- AC power

Package Contents

- AMS-1816P Switch (1)
- Rack mount kit
- Rubber feet
- Power cord
- Quick Install Guide (1)