

**PowerPath POE4424
Managed Stackable
Layer 2 Ethernet Switch
with Power over Ethernet**

The **PowerPath POE4424** is a managed Layer 2 Ethernet switch with Power over Ethernet support that offers performance and features that are required to support VoIP, wireless and surveillance applications.

The **PowerPath POE4424** Ethernet Switch offers 24 10/100 Mbps Ethernet ports plus 2 uplink Combo Ethernet ports. The unit is capable to provide the IEEE standard 802.3af compliant 15.4 W Power over Ethernet on each 10/100 port up to a total of 200W per switch. The power requests are auto-sensing and class aware.

The **PowerPath POE4424** basic platform supports commonly used Layer 2 features such as VLAN, STP, Link aggregation and Layer 2+ features such as bandwidth control. It supports configurable MAC addresses up to 14K. The default is 8K MAC addresses and 2K VLANs.

Features

- Twenty four (24) auto-MDIX 10/100 ports.
- Two Combo Gigabit uplink Ethernet ports that automatically choose between 1000Base T or SFP.
- 8.8 Gbps switching capacity
- Power over Ethernet (15.4W per port for a maximum of 200W per switch)

PowerPath POE4424 Ethernet Switch



- **Layer 2 features**
 - MAC learning, aging and forwarding
 - MAC filtering
 - STP, Rapid STP, multiple STP, MAC Filtering
 - Port based network access control (802.1x)
 - Port based and Protocol based VLAN, VLAN tagging, GVRP
 - Independent and Shared VLAN
 - Priority Queuing supports VOIP traffic
 - IGMP snooping
 - Flow control
 - Broadcast storm control
 - Uni-directional and Bi-directional Port mirroring
- **Layer 2+ and Additional Features**
 - Head of Line Blocking Prevention
 - Bandwidth Allocation on a per port basis
 - Port Security and Access control
 - Clustering/stacking feature
- **Power Over Ethernet Features**
 - All 24 10/100 ports are POE capable
 - Per Port POE Enable/Disable Control
 - Per Port POE Priority Control
 - Detail POE Port Status Reporting
- **OAMP Features**
 - BOOTP/DHCP
 - Software and configuration updates using TFTP, XMODEM
 - POST and diagnostics
 - User Interface (CLI, Telnet, WBI)
 - RADIUS (to support port security feature)
 - SNMP, RMON

PowerPath POE4424 Managed Stackable L2 Ethernet Switch with POE Support **Specifications**

<p>Ports</p> <ul style="list-style-type: none">• 24 Auto MDIX 10/100 Base-TX with up to 15.4 W delivery.• 2 Combo Gigabit Ports <p>Capacity</p> <ul style="list-style-type: none">• 8.8 Gbps switch fabric• 6.6 MPPS Packet forwarding• MAC Addresses ranges from 14K to 6K, user configurable• VLAN Address varies from 0 to 4K depends on the configuration• 8K MAC Addresses and 2K VLAN By Default• POE Over all 10/100 Base TX ports <p>IEEE Standards</p> <ul style="list-style-type: none">• IEEE 802.1D Bridging, Spanning Tree, GARP, GMRP• IEEE 802.1Q VLAN Tagging• IEEE 802.3ac Frame Extension for VLAN Tagging• IEEE 802.1p – Priority Queuing• IEEE 802.3x Flow Control• IEEE 802.3ad Link Aggregation• IEEE 802.1s Multiple Spanning Trees*• IEEE 802.1w Rapid Spanning Tree*• IEEE 802.1x Port based Network Access Control• IEEE 802.3af Power over Ethernet <p>IETF RFC</p> <ul style="list-style-type: none">• RFC 768,783,791,792,793, 826, 854, 855, 894, 922, 951, 1155, 1157, 1212, 1867, 1901*, 1905*, 1906*, 1907*, 1908*, 1945, 1994, 2068, 2069, 2104, 2131, 2138, 2139, 2284, 2295, 2236, 2570*, 2571*, 2572*, 2573*, 2574*, 2575*, 2576*, 2578*, 2579*, 2580*, 2865, 2869 <p>IETF RFC MIBs</p> <ul style="list-style-type: none">• RFC 1213 – MIB II• RFC 1493 – Definitions of Managed Objects for Bridges• RFC 1573 – Evolution of the Interfaces Group of MIB-II• RFC 1643 – Ethernet MIB• RFC 2233 – The Interfaces Group MIB using SMIV2*• RFC 2674 – Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions*• RFC 1757 RMON MIB• CyberPath Private MIB	<p>Management Features</p> <ul style="list-style-type: none">• CLI, WEB and SNMPv1• SNMPv2 and SNMPv3*• Dedicated serial management port• In-Band Management• RMON Groups 1,2,3 and 9 (Statistics, History, Alarm and Events)• On-line diagnostics• Backdoor Interface for troubleshooting• Firmware Upgrade using TFTP, X modem• Database backup and restoration• Local language support (future)• User authentication using RADIUS protocol <p>LEDs</p> <ul style="list-style-type: none">• System Power• Broadcast Storm Alert• Fault• Per Port POE Status• Per Port Link Status/Activity <p>AC Input</p> <ul style="list-style-type: none">• 100 V to 240 V• 50 to 60Hz <p>Power Supply</p> <ul style="list-style-type: none">• Internal auto-ranging power module <p>Power Consumption</p> <ul style="list-style-type: none">• 250 W max. <p>Heat Dissipation</p> <ul style="list-style-type: none">• 340 BTU/hr. <p>Size</p> <ul style="list-style-type: none">• 444 mm X 254 mm x 44 mm• (17.48 in x 10.0 in x 1.73 in) <p>Weight</p> <ul style="list-style-type: none">• 4.0 kg• 8.8 lbs <p>Operational Environment</p> <ul style="list-style-type: none">• Temperature 0 °C to 40 °C• Humidity 10% to 90% non-condensing• Storage -40 °C to 70 °C <p>Compliance</p> <ul style="list-style-type: none">• FCC Part 15• CE mark• UL• VCCI	<p>Ordering Information:</p> <p>P00-01120-01: PowerPath POE4424</p> <p>SFP Transceiver Modules</p> <p>E90-70251-01: 1000 Base SX, LC, MMF SFP module</p> <p>E90-70282-01: 1000 Base LX 10Km, LC, SMF SFP module</p> <p>E90-70283-01: 1000 Base LX 20Km, LC, SMF SFP module</p>
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