

## *ESSENTIAL* POE4408 Layer 2 Managed Ethernet Switch With Power Over Ethernet

*ESSENTIAL POE4408* Intelligent 8 Ethernet Switch is a fanless Layer 2 Ethernet switch with performance and features that are required to support Enterprise LAN based applications.

*ESSENTIAL* Intelligent 8 Ethernet Switch offers 8 10/100 Mbps Ethernet ports and 1 10/100/1000 Mbps Copper/Fiber combo uplink Ethernet port. The unit is capable to provide the IEEE standard 802.3af compliant 15.4 W power over CAT5 cable on each 10/100Mbps port to meet the increasing demand of VOIP phone and wireless access point application.

*ESSENTIAL* Intelligent 8 Ethernet Switch's 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

- Eight (8) auto-MDIX 10/100 ports.
- 3.6 Gbps switching capacity
- Power over Ethernet (15.4W per port for a maximum of 60W per switch)

## *ESSENTIAL POE4408 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 8 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
  - POST and diagnostics
  - User Interface (CLI, Telnet, WBI)
  - RADIUS (to support port security feature)
  - SNMP

## ESsential POE4408 Intelligent 8+1 Ethernet Switch With POE Specifications

<p><b>Ports</b></p> <ul style="list-style-type: none"><li>• 8 Auto MDIX 10/100 Base-TX with up to 15.4 W delivery.</li><li>• 1 1000BaseTX/SFP auto sense Combo, SFP is selected if both ports are connected.</li></ul> <p><b>Capacity</b></p> <ul style="list-style-type: none"><li>• 3.6 Gbps switch fabric</li><li>• MAC Addresses ranges from 8K to 14K, user configurable</li><li>• VLAN Address varies from 0 to 4K depends on the configuration</li><li>• 8K MAC Addresses and 2K VLAN By Default</li><li>• POE Over all 10/100 Base TX ports</li></ul> <p><b>IEEE Standards</b></p> <ul style="list-style-type: none"><li>• IEEE 802.1D Bridging, Spanning Tree, GARP, GMRP</li><li>• IEEE 802.1Q VLAN Tagging</li><li>• IEEE 802.3ac Frame Extension for VLAN Tagging</li><li>• IEEE 802.1p – Priority Queuing</li><li>• IEEE 802.3x Flow Control</li><li>• IEEE 802.3ad Link Aggregation</li><li>• IEEE 802.1s Multiple Spanning Trees</li><li>• IEEE 802.1w Rapid Spanning Tree</li><li>• IEEE 802.1x Port based Network Access Control</li><li>• IEEE 802.3af Power over Ethernet</li></ul>	<p><b>Management Features</b></p> <ul style="list-style-type: none"><li>• CLI, Telnet, WEB Based Interface</li><li>• SNMPv1/v2c/v3</li><li>• Dedicated serial management port</li><li>• In-Band Management</li><li>• On-line diagnostics</li><li>• Backdoor Interface for troubleshooting</li><li>• Firmware Upgrade using TFTP</li><li>• Database backup and restoration</li><li>• Local language support (future)</li><li>• User authentication using RADIUS protocol</li></ul> <p><b>LEDs</b></p> <ul style="list-style-type: none"><li>• System Power</li><li>• Broadcast Storm Alert</li><li>• Fault</li><li>• Per Port POE Status</li><li>• Per Port Link Status/Activity</li></ul> <p><b>AC Input</b></p> <ul style="list-style-type: none"><li>• 100 V to 240 V</li><li>• 50 to 60Hz</li></ul> <p><b>Power Supply</b></p> <ul style="list-style-type: none"><li>• Internal auto-ranging power module</li></ul> <p><b>Power Consumption</b></p> <ul style="list-style-type: none"><li>• 70 W max.</li></ul> <p><b>Heat Dissipation</b></p> <ul style="list-style-type: none"><li>• 65 BTU/hr.</li></ul> <p><b>Size</b></p> <ul style="list-style-type: none"><li>• 279 mm X 180 mm x 44 mm</li></ul> <p><b>Weight</b></p> <ul style="list-style-type: none"><li>• 1.8 Kg</li></ul> <p><b>Operational Environment</b></p> <ul style="list-style-type: none"><li>• Temperature 0 °C to 40 °C</li><li>• Humidity 10% to 90% non-condensing</li><li>• Storage -40 °C to 70 °C</li></ul> <p><b>Compliance</b></p> <ul style="list-style-type: none"><li>• FCC Part 15</li><li>• CE mark</li><li>• UL</li><li>• VCCI</li></ul> <p><b>In Package</b></p> <ul style="list-style-type: none"><li>• ESsential PoE4408 Ethernet Switch x1</li><li>• User manual CD x1</li><li>• AC Power Cord x1</li><li>• Serial Cable x1</li><li>• Rubber Foot x4</li></ul>	<p><b>Ordering Information:</b></p> <p>E00-01530-01: POE4408 Layer2 Switch With POE</p> <p><b>SFP Transceiver Modules</b></p> <p>E20-70251-01: 1000 Base SX, LC, SFP module</p> <p>E20-70282-01: 1000 Base LX 10Km, LC, SFP module</p> <p>E20-70283-01: 1000 Base LX 20Km, LC, SFP module</p>
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