

Stackable Layer 2 Managed Ethernet Switch

ETHERPATH ESS2226 is a Layer 2 Ethernet switch with performance and features that are required to support Enterprise LAN based applications.

The **ETHERPATH ESS2226** offers 24 10/100 Mbps Ethernet ports plus 2 uplink Ethernet ports. The uplink Ethernet port cards are available in standard 100 Base FX, 1000 Base T, and SFP.

The **ETHERPATH ESS2226** 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 independently configurable hot swappable uplink Ethernet ports
- Choice of 100 Base FX, 1000 Base T, and SFP uplink Ethernet port cards
- 8.8 Gbps switching capacity
- Layer 2 switch features including:
 - MAC learning, aging and forwarding

ETHERPATH ESS2226 Series



- Layer 2 features (contd)
 - MAC filtering
 - STP, Rapid STP, Multiple STP
 - Port based network access control (802.1x)
 - Port based and Protocol based VLAN, VLAN tagging, GVRP
 - Independent and Shared VLAN
 - Ingress/Egress Rate Limiting
 - Priority Queuing support 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
- 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
 - Stackable up to 8 units

ETHERPATH ESS2226 series Specifications

<p>Ports</p> <ul style="list-style-type: none">• 24 Auto MDIX 10/100 Base-TX.• Up to two independently hot swappable uplink Ethernet port cards<ul style="list-style-type: none">○ 100 Base FX○ 1000 Base T○ SFP Card <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 <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 <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 1757 RMON MIB• RFC 2665 Definition of Managed Objects For The Ethernet-Line Interface Types• RFC 2863 The Interface Group MIB• RFC 3273 RMON MIB For High Capacity Networks• 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 Link status• Per Port 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">• 35W max. <p>Heat Dissipation</p> <ul style="list-style-type: none">• 119.5 BTU/hr. <p>Size</p> <ul style="list-style-type: none">• 444 mm X 195 mm x 44 mm• (17.48 in x 7.68 in x 1.73 in) <p>Weight</p> <ul style="list-style-type: none">• 2.7 kg• 6.0 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	<p>Models</p> <ul style="list-style-type: none">• ESS 2226 Basic Model <p>Uplink Feature Cards</p> <ul style="list-style-type: none">• 1-port 100 Base FX card with SC connector• 1-port 1000 Base T card• 1-port SFP <p>Ordering Information: E00-01120-01: ESS 2226 Basic Model</p> <p>Uplink Interface Cards E10-80100-00: 1-port 1000 Base T E10-80110-03: 1-port 100 Base FX SC MMF E10-80250-20: 1-port SFP card</p> <p>SFP Transceiver Modules E20-70251-01: 1000 Base SX, LC, SFP module E20-70281-01: 1000 Base LX, LC, SFP module</p> <p>Software Options E50-01100-00: -AQ QOS, RSTP, MSTP</p> <p>Misc. Options E90-01100-00: Rack Mount Kit</p>
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