



ES4612/ES4612-DCPW Product Specifications

Features

Physical Ports

- 8 1000Base-X SFP ports
- 4 Combo G (RJ-45/SFP) ports
- 1 RS-232 DB-9 console port
- 1 Redundant Power Supply Connector

Performance

- Switching Capacity: 24Gbps
- Forwarding Rate: 17.9Mpps
- MAC Address Table Size: 16K
- Packet Buffer Size: 1MB

L2 Features

- Auto-negotiation for port speed and duplex mode
- Flow Control: IEEE 802.3x & Back-Pressure
- Spanning Tree Protocol:
 - IEEE 802.1D Spanning Tree Protocol (STP)
 - IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
 - IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- VLANs:
 - Supports 255 IEEE 802.1Q VLANs, port-based VLANs, GVRP
 - IEEE 802.1v Protocol-based VLANs
 - Private VLAN
- Link Aggregation:
 - Static Trunk, IEEE 802.3ad Link Aggregation Control Protocol
 - Trunk groups: 6, Trunk links: 2~8
- IGMP Snooping: IGMP v1, v2 snooping and IGMP Querier
- MVR
- Supports jumbo frames up to 9KB

L3 Features

- 4K IP Address entries
- 256 static routes
- ARP
- Multi-netting, Super-netting (CIDR)
- RIPv1, RIPv2
- OSPF
- DVMRP, PIM-DM
- VRRP
- DHCP/BootP relay
- DHCP server
- DNS proxy

QoS Features

- Priority Queues: 8 hardware queues per port
- Traffic classification based on IEEE 802.1p CoS, IP Precedence, DSCP, TCP/UDP port number, Access Control List
- Supports WRR and Strict scheduling
- Bandwidth Control: Egress and Ingress rate limiting

Security

- Supports IEEE 802.1X port-based access control
- RADIUS and TACACS+ authentication
- Dynamic ARP Inspection
- Access Control List
- SSH (v1.5/v2.0)
- SSL

Management

- Switch Management:
 - CLI via console port or Telnet
 - WEB management
 - SNMP v1, v2c
- Firmware & Configuration:
 - Dual firmware images
 - Firmware upgrade via TFTP server
 - Multiple configuration files
 - Configuration file upload/download via TFTP server
- Supports RMON (groups 1, 2, 3 and 9)
- Supports BOOTP, DHCP for IP address assignment
- Supports SNMP
- Event/Error Log/Syslog
- (Optional) ECview, a powerful network management software that maximizes the managed capabilities of Edge-Core devices with:
 - Topology Management
 - Performance Management
 - Configuration Management
 - Event Management
 - SNMP Management

Mechanical

- Dimensions (H x W x D): 4.4 x 44.0 x 32.4 cm (1RU)
- LED Indicators: Port, Uplink, System, Diagnostic

Safety

- CSA/NRTL (UL1950, CSA 22.2.950)
- TUV/GS (EN60950)
- CB

Electromagnetic Compatibility

- CE Mark
- FCC Class A
- VCCI Class A
- CISPR Class A

Environmental Specifications

- Temperature:
 - IEC 68-2-14
 - 0°C to 50°C (Standard Operating)
 - 40°C to 70°C (Non-Operating)
- Humidity: 5% to 95% (Non-condensing)
- Vibration: IEC 68-2-36, IEC 68-2-6
- Shock: IEC 68-2-29
- Drop: IEC 68-2-32

Warranty

- Limited Lifetime warranty

Ordering Information

Optional Accessories

- RPS600WA
- ET4201-SX
- ET4201-LX
- ET4201-LHX
- ET4201-ZX
- ECview

Product Description

- 4 DC output redundant power supply connectors (Supports Max. power output 150W/12V per port)
- Small Form Factor Pluggable (Distance: 500m; Wavelength: 850nm)
- Small Form Factor Pluggable (Distance: 10km; Wavelength: 1310nm)
- Small Form Factor Pluggable (Distance: 40km; Wavelength: 1310nm)
- Small Form Factor Pluggable (Distance: 80km; Wavelength: 1550nm)
- SNMP Network Management Software