ECS4155-30P – Multi-Gigabit Ethernet Switch
Shasta certified hardware

Overview

- L2+/Lite L3 Multi-Gigabit Ethernet Switch
- 24 × 2.5G RJ-45 ports for high-speed device connectivity
- 6 × 25G SFP28 uplink ports for scalable aggregation
- IEEE 802.3af/at/bt PoE++ support — up to 90W per port, 750W total PoE budget
- Advanced Layer 2 and Lite Layer 3 features for enterprise, ISP, and MSO applications
- Smart fan with acoustic noise control (<50 dBA)
- 6KV surge protection (RJ-45), 4KV (power)
- Designed for cloud-edge access, IoT, Wi-Fi APs, and IP surveillance deployments

Manufacturer: Edgecore

Specifications

Interface

- RJ-45 Ports:
    - 24 × 1G/2.5G BASE-T
- SFP28 Uplinks:
    - 6 × 1G/10G/25G SFP28
- Console Port:
    - 1 × RJ-45
- Out-of-Band Management:
    - 1 × RJ-45
- USB (Type A):
    - 1 × Port

Performance

- Switching Capacity: 420 Gbps
- Forwarding Rate: 310 Mpps
- MAC Address Table: 32K
- Packet Buffer: 3 MB
- Jumbo Frame Support: 10 KB
- Flash / DRAM: 8 MB / 16 GB Flash, 4 GB DRAM
- MTBF: > 500,000 hrs

Shasta certified hardware – data sheet

PoE Features

- PoE Standards Supported:
    - IEEE 802.3af / at / bt
- Max PoE Power per Port: 90W
- Total PoE Power Budget: 750W
- PoE Management:
    - Dynamic power allocation
    - Auto-disable when power budget exceeded

Power & Cooling

- Max Power Consumption: 950W
- Input Power: 100–240 VAC, 50/60 Hz
- Cooling: Smart Fan
- Heat Dissipation: 3240 BTU/hr
- Noise Level: <50 dBA

Physical

- Dimensions (W × D × H): 44 × 28 × 4.4 cm
- Weight: 4.79 kg (10.56 lbs)
- Mounting: Rackmount brackets included

Environmental

- Operating Temperature: –5°C to 50°C
- Storage Temperature: –40°C to 70°C
- Operating Humidity: 5% to 95% (non-condensing)
- Storage Humidity: 5% to 95% (non-condensing)
- Compliance: RoHS, WEEE, FCC Class A, CE, CB, UL

Key Features

- Enterprise-grade PoE++ switch with multi-gig performance
- Six 25G uplink ports for fiber or high-speed DAC connections
- IPv6-ready, with advanced multicast and security features
- L2 Ring (G.8032 ERPS) with sub-50ms recovery
- Full support for ecCLOUD, TIP OLS, and Private MIBs for EMS integration
- QoS, ACLs, and traffic shaping for advanced network control
- Ideal for powering Wi-Fi 6/7 APs, IP cameras, VoIP, and other PoE-powered devices

What's in the box

Package Content:

Shasta certified hardware – data sheet

ECS4155-30P – Multi-Gigabit Ethernet Switch
Shasta certified hardware

- ECS4155-30P Switch
- Power Cord
- Rack Mount Kit
- Console Cable
- Quick Start Guide
- Grounding Wire
- Regulatory Documentation

Shasta certified hardware – data sheet