

EYR-PS24P1R1S

Eyora PoE Switch — 24 Ports · Gigabit ·
19-inch 1U Rack-Mount

THE BACKBONE OF EVERY SYSTEM.



OVERVIEW

The EYR-PS24P1R1S is a 24-port Gigabit PoE Ethernet switch designed for powering and connecting IP cameras, wireless access points and other PoE network devices. It provides twenty-four PoE ports, one Gigabit RJ45 uplink and one 1.25 Gbps SFP fibre uplink, with 56 Gbps non-blocking switching so every port runs at full speed at once. A 320 W PoE budget runs all twenty-four ports at up to 13 W each — comfortably above what a typical IP camera draws — or up to ten devices at full PoE+. The 19-inch 1U metal chassis mounts in a standard rack.

KEY FEATURES

- 24 Gigabit PoE ports — 320W total budget
- All 24 ports at up to 13W each, or up to 10 at full PoE+
- 56 Gbps non-blocking switching — full speed on every port at once
- 1 Gigabit RJ45 uplink and 1 × 1.25 Gbps SFP fibre uplink
- IEEE 802.3af and 802.3at compliant
- 19-inch 1U metal chassis, rack ears supplied
- Surge protection to IEC 61000-4-5 Level 3
- Plug and play — no configuration required
- 5-year hardware warranty

RELIABILITY & COMPLIANCE

MTBF	> 50,000 hours
Warranty	5 years, hardware
Certifications	CE, FCC, RoHS



SPECIFICATIONS

PORTS

PoE Ports	24 × 10/100/1000Mbps RJ45, auto-negotiating
RJ45 Uplink	1 × 10/100/1000Mbps RJ45
SFP Uplink	1 × SFP, 1.25 Gbps
Total Ports	26
Transmission Distance	RJ45: up to 100m; SFP: per optical module specification
Transmission Media	RJ45: Cat5e / Cat6 UTP; SFP: LC connector

POWER OVER ETHERNET

PoE Standard	IEEE 802.3af (15.4W) and IEEE 802.3at (30W)
PoE Method	End-span (Mode A), pins 1/2 and 3/6
Total PoE Budget	320W
Per-Port Output	Up to 30W
Capacity at Full Load	All 24 ports at up to 13W each, or up to 10 ports at 802.3at (30W)
PoE Port Detection	Automatic — non-PoE devices receive data only

SWITCHING

Network Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-SX/LX
Switching Capacity	56 Gbps, non-blocking
Forwarding Mode	Store-and-forward
Flow Control	IEEE 802.3x full duplex, back pressure half duplex
MAC Address Table	8K entries
Jumbo Frame	Up to 9,216 bytes
Auto MDI/MDI-X	Supported — straight or crossover cables
Management	Unmanaged — plug and play

POWER

Input Voltage	AC 100–240V, 50/60Hz
Power Consumption	Switch: <15W; total with PoE: <335W

INDICATORS

Power	1 × green LED
SFP Link	1 × green LED, on when linked
Uplink Port	1 × green LED, on when linked
PoE Status	24 × LED, one per PoE port
Link / Activity	24 × green LED on RJ45 jack — on when linked, flashing on data

PROTECTION

Surge Immunity	Level 3, IEC 61000-4-5
Electrostatic Discharge	Contact Level 3, Air Level 3, IEC 61000-4-2

ENVIRONMENT

Operating Temperature	–10°C to +55°C
Storage Temperature	–40°C to +85°C
Operating Humidity	5% – 95% RH (non-condensing)
Cooling	Fanless

MECHANICAL

Dimensions (L × W × H)	442 × 224 × 44.5 mm
Rack Format	19-inch, 1U
Housing	Metal
Colour	Black
Weight	4.5 kg
Rack Ears	Supplied in the box