

# Todaair

## Product Specification

# POE29-RX848G-2SFP

Date: 10<sup>th</sup>/May/2023



## Product Overview

The **POE29-RX848G-2SFP** is a high-performance **outdoor Gigabit PoE switch**, designed to withstand harsh environments with its **IP65-rated weatherproof housing**. This switch is ideal for **outdoor security networks, smart city deployments, large campuses, parking lots, and commercial properties**. It features **8 Gigabit PoE ports** for powering IP cameras, wireless access points, and other PoE-enabled devices, along with **2 SFP uplink ports** for high-speed fiber or Ethernet backhaul.

## Features

- **8× 10/100/1000Mbps Gigabit PoE ports** (IEEE 802.3af/at, up to 120W total PoE budget)
- **2× 10/100/1000Mbps SFP uplink ports** for fiber or Ethernet expansion
- **IP65 weatherproof housing** – protects against dust, water, and extreme weather conditions
- **Industrial-grade design** – built for outdoor security, commercial networking, and remote deployments
- **High-speed performance** – 20Gbps backplane bandwidth for smooth data transmission
- **Plug & Play installation** – supports wall or pole mounting for flexible deployment

## Product Specification

<b>Chipset</b>	QCA8337 + RTL8234
<b>PoE Ports</b>	PoE Ports: 8× 10/100/1000Mbps Gigabit PoE ports (IEEE 802.3af/at, standard 48V)
	Uplink Ports: 2× 10/100/1000Mbps SFP uplink ports (for fiber or RJ45 modules)
<b>Power</b>	Input Voltage: AC 100-220V, 50-60Hz
	Power Consumption (No Load): 4W
	Maximum PoE Power Output: 120W total PoE budget
<b>Performance</b>	Switching Capacity: 20Gbps
	Packet Forwarding Rate: 11.9Mpps
	MAC Address Table: 4K entries
	Auto MDI/MDI-X Support: Yes (automatically detects and adjusts Ethernet cable types)
	Full Wire-Speed Forwarding: Yes
<b>Standards Compliance</b>	IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.3ab (Gigabit Ethernet), IEEE 802.3x (Flow Control), IEEE 802.3af/at (PoE)
<b>Environmental Conditions</b>	Operating Temperature: 32°F to 104°F (0°C to 40°C)
	Storage Temperature: -40°F to 158°F (-40°C to 70°C)
	Operating Humidity: ≤10%–90% (non-condensing)
	Storage Humidity: ≤5%–90% (non-condensing)
<b>Physical &amp; Mounting</b>	Dimensions: 11.8 × 8.7 × 1.2 in (300 × 220 × 30 mm), Weight: 2.65 lbs (1.2 kg)
	Mounting: Supports wall-mount and pole-mount installation
<b>Packing List</b>	1× POE29-RX848G-2SFP Outdoor Gigabit PoE Switch
	2× Stainless Steel Mounting Rings, 1× Quick Installation Guide

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