SG1006P

ULTRALAN®

6-Port Gigabit AI PoE Switch



High-Speed Gigabit Switching
Non-blocking switching architecture with full wire-speed forwarding across all ports.

6KV lightning protection
Built-in over-voltage, over-temperature, and inrush current protection

Plug-and-Play Operation
Zero configuration – power and data automatically adjust to connected devices.

dbg Distribution

Product Overview

The UltraLAN SG1006P is a 6-Port Gigabit AI PoE Switch designed for small to medium network deployments requiring reliable power and high-speed connectivity.

Equipped with AI PoE automatic recovery, it can intelligently detect unresponsive powered devices (PDs) such as IP cameras or access points and automatically restart them, ensuring continuous, stable operation without manual intervention.

The switch fully complies with the IEEE 802.3af/at PoE standards, automatically identifying and supplying power to compatible devices while protecting non-PoE equipment. With its compact design, strong surge protection, and plug-and-play functionality, the SG1006P delivers dependable performance for modern PoE networks.

Technical Specifications:

Category	Description
Network Interfaces	4 × 10/100/1000Mbps RJ45 PoE ports (Ports 1–4) 2 × 10/100/1000Mbps RJ45 uplink ports (Ports 5–6)
Network Standards	IEEE 802.3i, 802.3u, 802.3x, 802.3ab, 802.3af, 802.3at
Performance	Switching Capacity: 12Gbps (non-blocking) Forwarding Rate: 8.9Mpps MAC Address Table: 2K Forwarding Mode: Store-and-Forward
PoE Specifications	PoE Pin Assignment: 1/2(+), 3/6(–) Port 4 Max Output: 60W Total Power Budget: 65W
LED Indicators	Power / Link-ACT / PoE / Reserved
Power Protection	Lightning Protection: 6KVOver-Voltage, Over-Current, and Over-Temperature Protection
Environmental	Operating Temperature: 0°C – 40°C | Storage Temperature: –40°C – 70°C Operating Humidity: 10% – 90% RH (non-condensing) Storage Humidity: 5% – 90% RH (non-condensing)
Dimensions	125 × 75 × 27 mm
Certifications	CE, RoHS, FCC, CCC