

The **HAWKVISION HK-IPS0402F** is an **unmanaged industrial PoE fiber switch** independently developed by Hawkvision. It features **4 × 10/100/1000M RJ45 ports** and **2 × 1000M uplink SFP fiber ports**, with ports 1–4 fully compliant with **IEEE 802.3af/at PoE standards**, delivering up to **30W per port**. This switch supports **dual DC power input** for redundancy and can be conveniently installed using **DIN rail mounting**, making it ideal for industrial environments.

## Key Features

- **Gigabit Access with Uplink SFP Ports**, equipped with dual gigabit SFP fiber uplink ports, supporting high-bandwidth and long-distance data transmission. Compatible with a variety of SFP modules, enabling flexible cascading and chain networking.
- **Smart PoE Power Supply**, Fully compliant with the IEEE 802.3af/at PoE standards, automatically identifying PoE-powered devices while ensuring non-PoE devices are not damaged.
- **Provides 4 × 10/100/1000Base-T RJ45 PoE ports**, ideal for security monitoring, video conferencing, wireless coverage, and other PoE applications.
- **PoE priority mechanism ensures that high-priority ports** receive power first when the total power budget is limited, preventing overload and enhancing operational stability.
- **Stable and Reliable Industrial-Grade Design**, Meets major safety and quality certifications: CCC, CE, FCC, and RoHS.
- **User-friendly LED indicators** display the status of power, link, and PoE, simplifying monitoring and maintenance.
- **Features low power consumption**, a fanless aluminum housing, and excellent heat dissipation to ensure long-term stable operation in demanding environments.
- **Lightning/surge protection up to 6 kV (8/20 μs)** to safeguard connected devices in harsh electrical environments.



<b>Model:</b>	<b>HK-IPS0402F</b>
<b>Brand:</b>	HAWKVISION
<b>Product:</b>	Full Giga 6 Port Industrial PoE Switch <b>[4 PoE + 2SFP]</b>
<b>Country of Origin:</b>	United Kingdom
<b>Power</b>	2 sets V+, V– redundant DC power interfaces (5-pin Phoenix terminal)
<b>Ethernet Ports</b>	Ports 1–4 support 10/100/1000Base-T auto-sensing, full/half-duplex, MDI/MDI-X auto-adaptation, Max 30 W (IEEE 802.3af/at)
<b>Twisted Pair Transmission</b>	10BASE-T: Cat3/4/5 UTP (≤100 m); 100BASE-TX: Cat5 or above UTP (≤100 m); 1000BASE-T: Cat5e or above UTP (≤100 m)
<b>Fiber Ports</b>	Gigabit optical fiber ports; SFP modules optional (single-mode/multi-mode, single/dual fiber, LC)
<b>Optical Cable Distance</b>	Multi-mode: 850 nm / 0–550 m; Single-mode: 1310 nm / 0–40 km, 1550 nm / 0–120 km
<b>Network Protocols</b>	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x
<b>Forwarding Mode</b>	Store-and-forward (full wire speed)
<b>Technical Index</b>	Switching Capacity 12 Gbps, Forwarding Rate (64B) 8.93 Mpps, MAC Address Table 2K, Buffer Memory 2 MB, Jumbo Frame 9.2 KB
<b>LED Indicators</b>	Power: PWR (Green); Network: Link (Yellow); PoE: PoE (Green); Fiber Ports 5/6: Green
<b>Power Pins</b>	1/2 (+), 3/6 (–)
<b>Power Consumption</b>	Standby <5 W; Full load (af) <60 W; Full load (at) <120 W
<b>Power Input</b>	DC 48–57 V; 5-pin industrial Phoenix terminal; reverse-polarity protection
<b>Power Supply</b>	optional not included, 48 V / 60 W or 48 V / 120 W industrial power supply
<b>Operating &amp; Storage Temperature/Humidity</b>	–40°C to +80°C; 5%–90% RH (non-condensing)
<b>Dimensions</b>	119 × 100 × 30 mm
<b>Weight</b>	0.4 kg (net) / 0.5 kg (gross)
<b>Installation</b>	Desktop or 35 mm DIN rail
<b>Ingress Protection</b>	IP40
<b>Lightning/Surge Protection</b>	6 kV 8/20 μs
<b>EMC Immunity Standards</b>	IEC61000-4-2/3/4/5/6/8/9/10/12/16/18
<b>Mechanical Reliability</b>	IEC60068-2-6 (Vibration); IEC60068-2-27 (Shock); IEC60068-2-32
<b>Certifications</b>	CCC; CE; CE/LVD EN62368-1; FCC Part 15 Class B; RoHS
<b>Warranty</b>	5 years; lifelong maintenance
<b>Country of Manufacture:</b>	China