

26 Ports 10/100/1000M 2160W PoE Switch

IMSW-POE-SF1024

www.PoEnetworks.com



CE FC RoHS

26-Ports 10/100/1000M 90W Power Switch, using high-quality high-speed network IC and the most stable PoE chip. PoE port support 802.3af/at/bt standard both. This series of PoE Switch provide seamless connectivity for 10/100/1000M Ethernet, and the PoE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at or IEEE802.3bt standards. The non-POE device intelligently detects no power and only transmits data.

POE is Power Over Ethernet, which refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access AP, network cameras, etc.), but also provides DC power for this device. These devices that receive DC power are called powered devices.

With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high-performance network. It is mainly located in the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and residential broadband; it can be widely used in Ethernet access scenarios such as small and medium-sized enterprises, Internet cafes, hotels, and schools.

Main Feature

- 24*10/100/1000M POE Ports + 1*100/1000M Ethernet Uplink Port + 1*1.25G SFP Uplink Ports;
- PoE Ports Support IEEE802.3af or IEEE802.3at or IEEE802.3bt Self-Adaptive;
- Ethernet Port supports 10/100/1000M adaptive and PoE functions;
- PoE Port Support 90w Power Output;
- Support port auto flip (Auto MDI/MDIX);
- Support link monitoring, abnormal self-test and recovery;
- Flow Control: IEEE 802.3x for Full-duplex Mode ; Back pressure for half-duplex Mode;
- Lightning protection, Surge: General Mode 6KV, Differential Mode 4KV, ESD: 8KV;
- Support 1U Rack Mount Installation.

Application Environment

Metropolitan Optical Broadband Network

Telecommunications, cable TV, network system integration, etc., according to network operators

Broadband Private Network

Applicable to industry, finance, government, petroleum, railway, electric power, public security, transportation, education, etc.

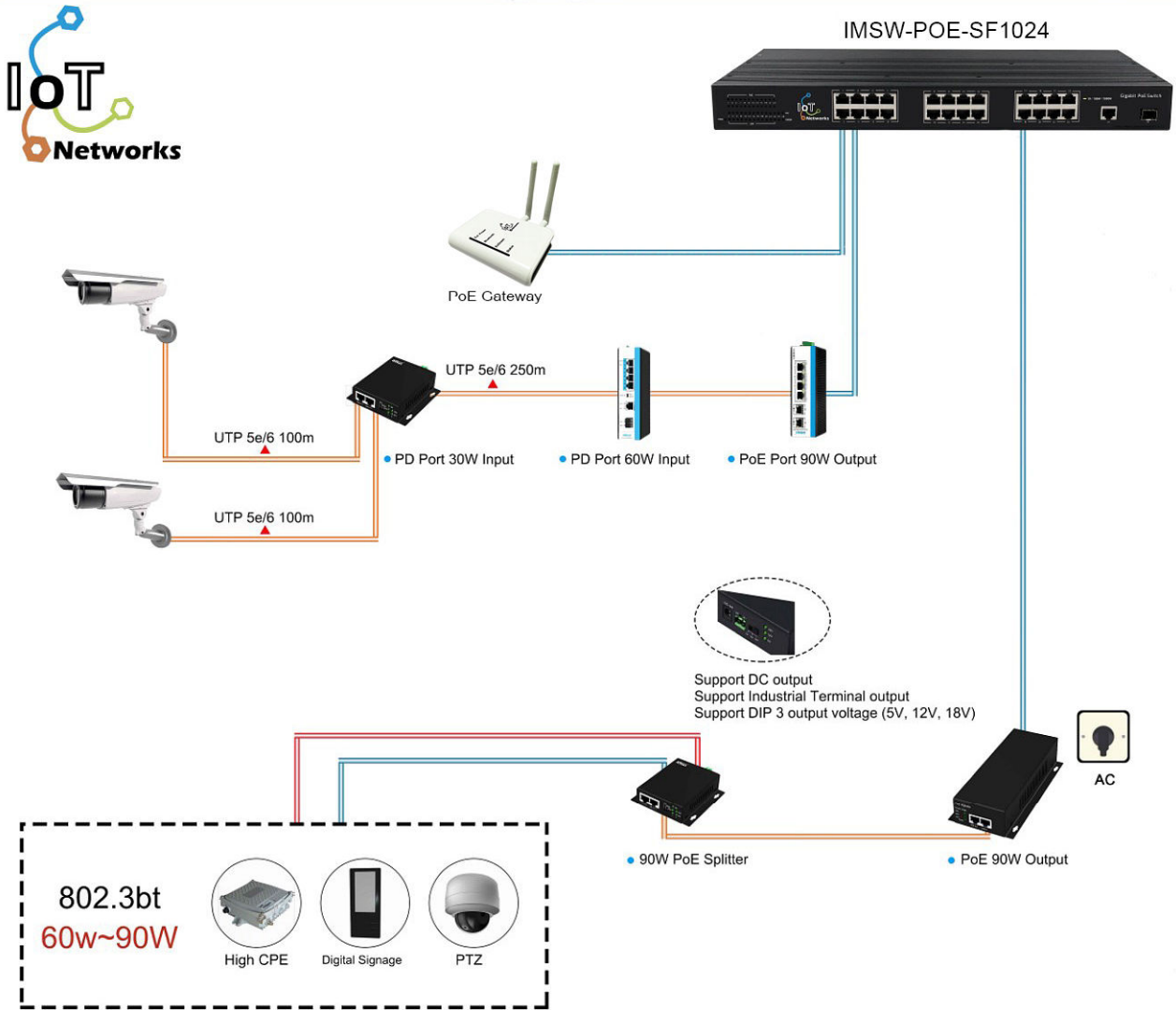
Multimedia Transmission

Comprehensive transmission of images, voice, data, suitable for remote teaching, conference TV, videophone and other applications

Real-time monitoring

Simultaneous transmission of real-time control signals, images and data

90W PoE Power Solutions



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802.3AF/AT/BT
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Extend
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Power Display
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PoE Watch dog
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6KV lightning Protection

DATA SHEET

| General Parameter | |
|---------------------|---|
| Product Name | 26 Ports 10/100/1000M 90W PoE Switch |
| Product Model | IMSW-POE-SF1024 |
| System Architecture | 24*10/100/1000M POE Ports + 1*100/1000M Ethernet Uplink Port + 1*1.25G SFP Uplink Ports |
| Network Protocols | IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3z IEEE 802.3x |
| POE Parameters | PoE Standard: IEEE 802.3af / IEEE 802.3at / IEEE802.3bt |
| | Single PoE Port Power Output: Max: 15.4W (IEEE 802.3af) Max: 30W (IEEE 802.3at) Max: 90W (IEEE 802.3bt) |
| | PoE Compatibility: IEEE 802.3af / at / bt adaptive |
| | PoE Power Output: DC48-56V |
| | PoE Power Pin:1/2+ ; 3/6- (bt: 12 - 36+; 45+ 78-) |
| Network Media | 10BASE-T: Cat5e UTP(≤100 meter) 100BASE-T: Cat 5 UTP(≤100 meter) 1000BASE-TX: Cat5 or more UTP (≤100 meter) |
| Fibre Media | Multi-Mode: 850nm,1310nm, Transmission Distance: 550m / 2km Single-Mode: 1310nm, 1550nm Transmission Distance: 20 / 40 / 60 / 80 / 100 / 120km |
| Power Supply | Voltage Input: DC 48-55V |
| Power Consumption | Switch: 20W; PoE: 2160W |

DATA SHEET

| DIP LED indicator | Indicator | Definition | Status | Description |
|---------------------|--|------------|------------------|------------------|
| | PWR | Power | Lighting | Powered |
| | | | Light Off | Power Off |
| | PoE | (1-24) | Lighting | PoE enabled |
| | | | Light Off | PoE disable |
| | Link/ACT | (1-24) | Lighting | Link Connected |
| | | | Light Off | Link Disconnect |
| | | | Flashing | Data Transmitted |
| | ACT | (25-26) | Lighting | Link Connected |
| | | | Light Off | Link Disconnect |
| Flashing | | | Data Transmitted | |
| 1000M | (25-26) | Lighting | 1000M Link | |
| | | Light Off | 10/100M Link | |
| Physical Dimension | Product Dimension (L*W*H): 440mm*205mm*44.5mm Package Dimension (L*W*H): 500mm*275mm*80mm N.W: 1.8KG G.W: 2.3KG | | | |
| Working Environment | Working Temperature: -20℃ ~ +50℃; Storage Temperature: -40℃ ~ +85℃; Operating Humidity: Max 90%, non-condensing Storage Humidity: Max 95%, non-condensing Working Height: Max to 10,000 feet (3,000 meters) Storage Height: Max to 10,000 feet (3,000 meters) | | | |
| Packing List | 1.PoE Switch: 1 unit 2.User Guide: 1 unit 3.Warranty Card: 1 unit 4.Power Cord: 1 unit 5.1U Rack Mount: 1 pair | | | |
| Industry Standard | EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD),EN61000-4-4 (EFT),EN61000-4-5 (Surge) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6 | | | |
| MTBF | 250,000 hours | | | |
| Certification | CE, FCC, RoHs, CCC, EMI, EMC, KC, UL | | | |

DATA SHEET

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|-----------------------------|-------------------|
| Warranty | 1 years warranty |
| Technical Indicators | |
| Bandwidth | 52 Gbps |
| Packet Forwarding rate | 38.68Mpps |
| Packet Buffer Memory | 4.1Mbit |
| MAC | 8K |
| Jumbo Frame | 9.6bytes |
| Forwarding Mode | Store-And-Forward |

Product Pictures

