

## Compact Industrial 4-Port 10/100/1000T 802.3at PoE + 1-Port 100/1000X SFP / 1-Port 10/100/1000T Ethernet Switch



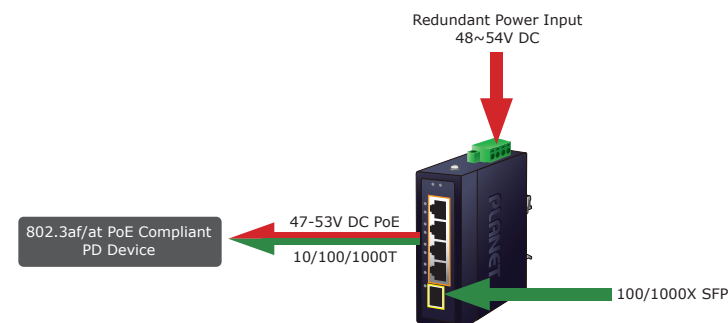
### High Power PoE Solution for Harsh Industrial Network

PLANET **IGS-5x4PT** is the smallest industrial-grade 4-Port PoE+ Switch in PLANET industrial PoE product lineup and is specially designed to be installed in a narrow environment. It provides up to 120-watt 802.3at PoE+ output capability and wire-speed Gigabit performance even in the harsh industrial environment. It comes with **four 10/100/1000BASE-T 802.3at PoE+ ports** and **one 100/1000X SFP** interface or **one 10/100/1000BASE-T RJ45 copper interface for uplink connection**.

The power system of the IGS-5x4PT supports **48~54V DC** power input for power redundancy and operational flexibility. It comes with a total power budget of up to **120 watts** for different kinds of PoE applications and operating temperature ranging from **-40 to 75 degrees C** in a rugged IP30 metal housing.

### Plug and Play High Power Sourcing Solution

Complying with the **IEEE 802.3at Power over Ethernet Plus** technology, the IGS-5x4PT provides up to **30 watts** of PoE output power to allow users to flexibly deploy standard and high powered devices simultaneously with no need of software configuration. Furthermore, the IGS-5x4PT can extend much longer distance by using PLANET PoE Extender for powering up the PoE PD devices which can be installed over more than 100 meters away. By daisy-chaining multiple PoE extenders, it offers the flexibility of doubling, tripling or quadrupling the distance of PoE network.



### Interface

- 4 10/100/1000BASE-T Gigabit Ethernet RJ45 copper ports with 802.3at PoE+ injector function
- One SFP slot, supporting 1000BASE-X and 100BASE-FX transceiver in dual modes (IGS-514PT only)

### Power over Ethernet

- Complies with IEEE 802.3at Power over Ethernet Plus, end-span PSE.
- Backward compatible with IEEE 802.3af Power over Ethernet
- Up to 4 ports of IEEE 802.3af/at devices powered
- Up to 120-watt PoE budget
- Supports PoE power up to 30 watts for each PoE port.
- Auto detects powered device (PD).
- Circuit protection prevents power interference between ports.
- Remote power feeding up to 100m

### Layer 2 Switching

- Features Store-and-Forward mode with wire-speed filtering and forwarding rates.
- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation
- 2K MAC address table size
- 9K jumbo frame
- IEEE 802.1Q VLAN transparency
- Automatic address learning and address aging
- PROFINET Traffic Pass-through with QoS

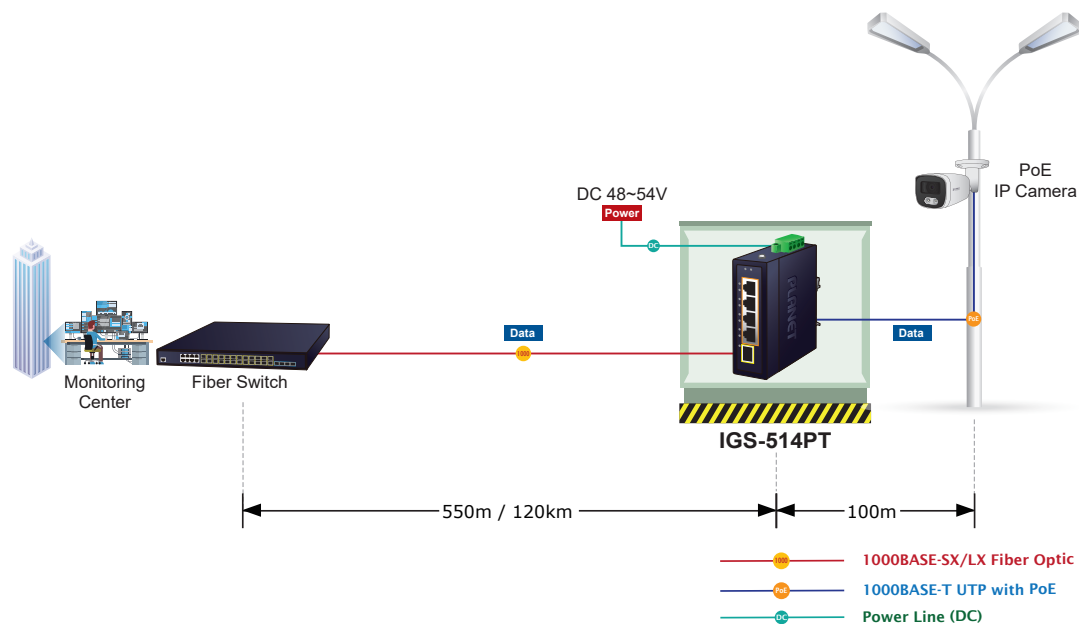
### Industrial Case and Installation

- IP30 metal case
- DIN-rail, wall-mount or side wall-mount design
- 48~54V DC redundant power with reverse polarity protection
- Supports 6KV DC Ethernet ESD protection.
- -40 to 75 degrees C operating temperature

### Fiber-optic Link Capability Extends the Range of Network Deployment (IGS-514PT only)

The maximum distance between two IP devices via Ethernet UTP cable is 100 meters. To flexibly extend the deployment range of IP devices, the IGS-514PT's SFP slot supporting **100BASE-FX/1000BASE-X**, SFP modules, and more can reach a transmission distance of up to 120km.

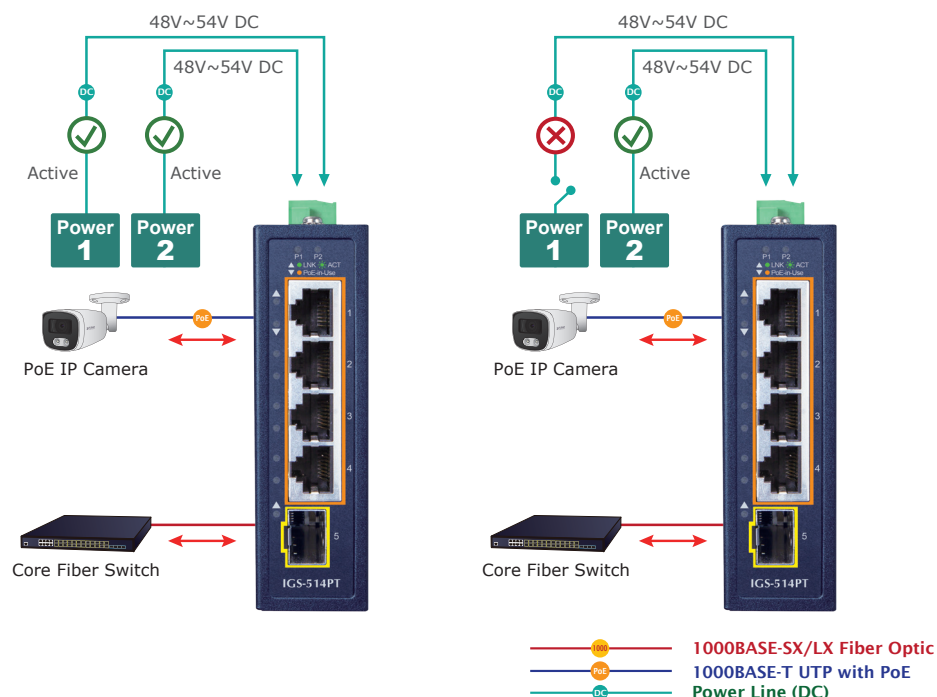
Thus, building a network solution of FTTH (Fiber to the Home), FTTC (Fiber to the Curb) for ISPs or FTTB (Fiber to the Building) for enterprises becomes so easy to users when long-distance deployment is employed. The IGS-514PT can handle extremely large amounts of data in a secure topology linking to a metro switch, backbone or high-capacity server.



### Dual Power Input for High Availability Network System

The IGS-5x4PT features a strong dual power input system with wide-ranging voltages (48V~54V DC) incorporated into customer's automation network to enhance system reliability and uptime. In the example below, when Power Supply 1 fails to work, the hardware failover function will be activated automatically to keep powering the IGS-5x4PT via Power Supply 2 without any break of operation.

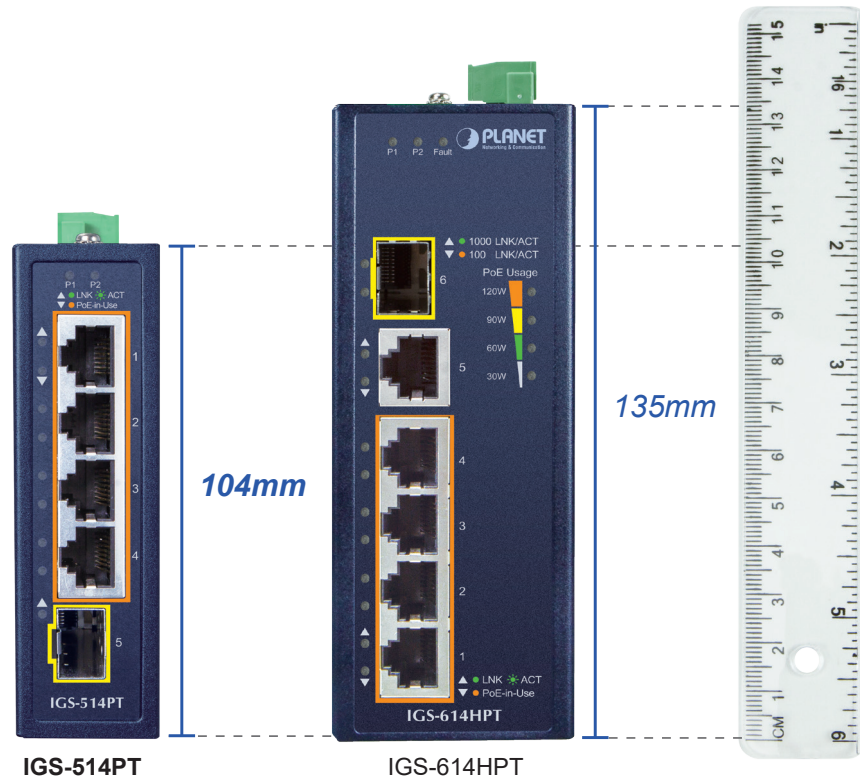
### Non-stop Ethernet Server Dual Power Input with Auto Failover



### Small but Strong Enough for Any Hardened Environment

With the IP30 industrial metal case, the IGS-5x4PT provides a high level of immunity against electromagnetic interference and heavy electrical surges which are usually found on plant floors or in curb-side traffic control cabinets without air conditioning. It features a ventilated construction in which a cooling fan is not necessary, thereby making its operation noiseless. Being able to operate under the temperature range from -40 to 75 degrees C, the IGS-5x4PT can be placed in almost any difficult environment.

## Compact Industrial 5-Port PoE Switch



### Robust Protection

The IGS-5x4PT provides contact discharge of  $\pm 6\text{KV}$  DC and air discharge of  $\pm 8\text{KV}$  DC for Ethernet ESD protection. It also supports  $\pm 6\text{KV}$  surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

### Flexible and Easy Installation with Limited Space

The compact-sized IGS-5x4PT is specially designed to be installed in a narrow environment, such as wall enclosure. It can be installed by fixed wall mounting or DIN rail, thereby making its usability more flexible and easier in any space-limited location.

## Optional installation method



\* The above pictures are for illustration only.