4-Port 10/100Base-TX + 2-Port 100Base-FX Industrial Ethernet Switch with Wide Operating Temperature

KEY FEATURES

PHYSICAL PORT

- 4-Port 10/100Base-TX RJ-45 with auto MDI/MDI-X function for ISW-621T series

- 2-Port 100Base-FX interface on ISW-621T for up to 2km (Multi-mode fiber 62.5/125μm, 50/125μm) transmission distance

- 2-Port 100Base-FX interface on ISW-621TS15 for up to 15km (Single-mode fiber 9/125μm) transmission distance

LAYER 2 FEATURES

- Complies with IEEE 802.3, IEEE 802.3u 10/100Base-TX, 100Base-FX Ethernet standard

- Supports Auto-Negotiation and 10/100Mbps half / full duplex mode for each copper port

- High performance Store and Forward architecture, broadcast storm control, runt/CRC filtering eliminates erroneous packets to optimize the network bandwidth

- Prevents packet loss with back pressure (Half-Duplex) and IEEE 802.3x PAUSE frame flow control (Full-Duplex)

- Backplane (Switching Fabric): 1.2Gbps

- Integrated address look-up engine, supports 2K absolute MAC addresses

- 1Mbit on-chip frame buffer

- Automatic address learning and address aging

- CSMA/CD Protocol

INDUSTRIAL CASE / INSTALLATION

- IP-30 Metal case / Protection

- DIN Rail and Wall Mount Design

- 12 to 48V DC, redundant power with polarity reverse protection and connective removable terminal block for master and slave power

- Supports EFT protection 6KV DC for power line

- Supports 6KV DC Ethernet ESD protection

- -40 to 75 Degree C wide operating temperature

Highly Convenient and Feasible Industrial Robust Switch

In the PLANET ISW-621 series Industrial Ethernet Switch, PLANET nowadays has upgraded and provided two new models named ISW-621T and ISW-621TS15 for wide temperature operation environment. The capital 'T' means that it can support and operate under **WIDE-TEMPERATURE** environment ranging from **-40 up to 75 Degrees C**. As we know the temperature in many places and countries of the world are lower than -10 Degrees C, these two new models, ISW-621T and ISW-621TS15, will be the right products for Transportation, Manufactory, Security and Surveillance network deployment on those harsh environments. The ISW-621T / ISW-621TS15 also 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.

Distance Extendable and Flexibility

Each of ISW-621T and ISW-621TS15 includes four 10/100Base-TX Auto-Negotiation ports and two 100Base-FX ports. The ISW-621T equips 100Base-FX multi-mode SC interfaces for transmission distance up to 2km and ISW-621TS15 equips 100Base-FX single-mode SC interfaces for transmission distance up to 15km. The two 100Base-FX ports provide more flexibility for Transportation, Manufactory, Security and Surveillance with distance extension without any limitation, making the ISW-621T / ISW-621TS15 suitable model either for long distance (ISW-621TS15) or short distance (ISW-621T) network deployment.

Easy Installation and Wide Range of Power Usage

The ISW-621T and ISW-621TS15 are designed with a compact case that allows either DIN rail or panel mounting for efficient usage of cabinet space. It provides an integrated power supply with a wide range of voltages for worldwide operation. It also offers dual-redundant, reversible polarity 12V DC to 48V DC power supply inputs for high availability applications requiring dual or backup power inputs.

Data Sheet

APPLICATIONS

Industrial Switch for High Performance Data Collect and Forward

The ISW-621T and ISW-621TS15 equip with four 10/100Mbps ports offering auto MDI / MDIX feature, and two 100Base-FX optic-fiber SC interfaces providing 1.2Gps non-blocking switch fabric and the 2K MAC Address table so that they can perform wire-speed packets transfer without risk of packet loss. The ISW-621T / ISW-621TS15 with the slim type IP 30 metal shape are ideal for most Heavy Industrial demanding environments.

100Base-FX Fiber-optic
100Base-TX UTP