

# SPM-E(1X)T4X-PXT

## 1 Fiber to X UTP 10/100 Mbps Industrial Fiber Media Converter



### Key Features

- 1 ~ 6 × 10/100Mbps Auto-sensing RJ45 ports
- 1 x 100Mbps SFP port
- 4 KV Ethernet surge protection, adapt to a harsh outdoor environment
- Support Auto MDI/MDIX
- Flow control mode: full duplex with IEEE 802.3x standard, half-duplex with Back pressure standard
- IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX compliant
- A store-and-forward switching mechanism
- Operating environment temperature: -40 ° ~ 85 °C

### Introduction

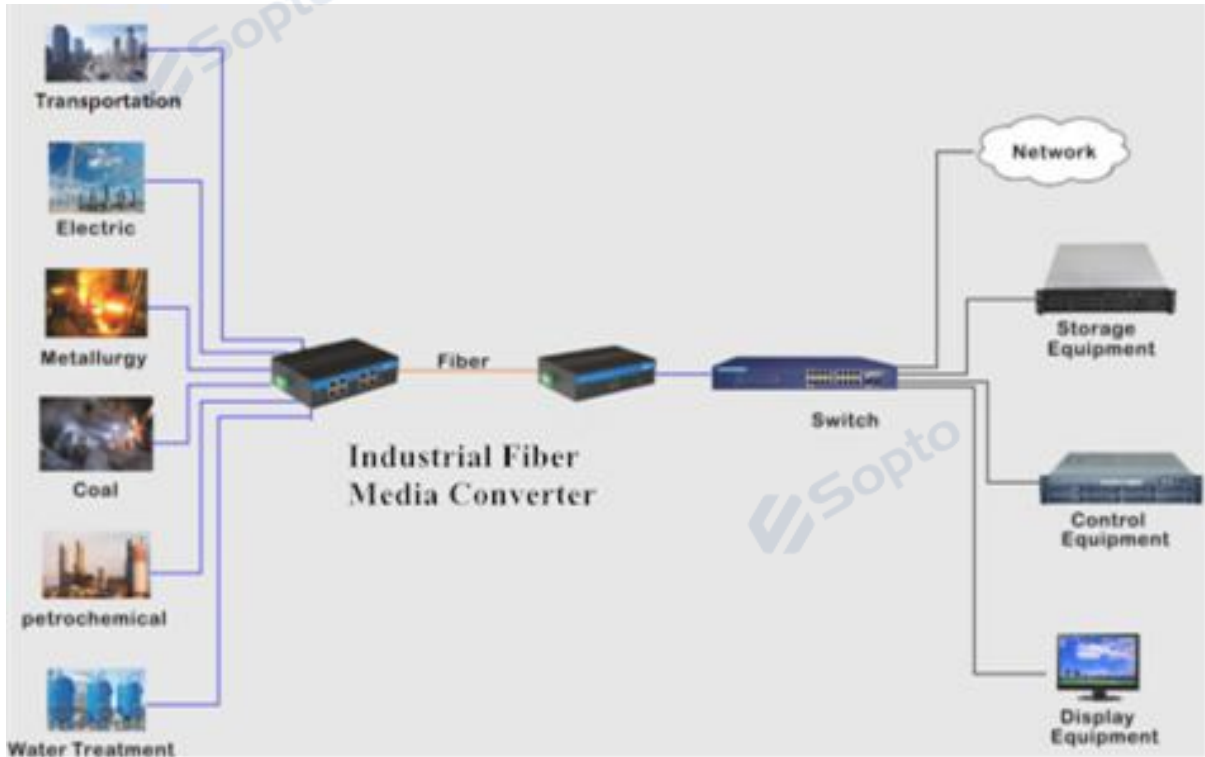
SPM-E(1X)T4X-PXT is the 10/100 Mbps industrial fiber media converter, which can also be called industrial fiber switch, operating temperature  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ , support wide voltage dual power input, meet IP40 protection degree and EMC industrial grade requirements, DIN rail installation, pass through dangerous environmental certification and comply with FCC and CE standards. The reliable industrial grade design could ensure continuous and stable operation of the automation system.

## Specification

|                    |   |
|--------------------|---|
| Product Name       | 10/100Mbps Industrial Fiber Media Converter (1 Fiber + X UTP )  |
| Model No.          | SPM-E(1X)T4X-PXT  |
| Port               | 1 x 100Mbps SFP port<br>SM: 1310nm/1550nm, 20Km<br>1490nm/1550nm, 40~120Km<br>MM: 1310nm, 2Km<br>1~6×10/100M UTP RJ45 (Support MDI/MDIX auto-sensing)   |
| Switching features | Transmission mode: storage and forward<br>System bandwidth:<br>1 SFP+1 UTP :1Gbps;<br>1 SFP+2 UTPs:1.5Gbps;<br>1 SFP+4 UTPs:2.5Gbps;<br>1 SFP+6 UTPs:3.5Gbps;<br>(non-traffic jam)  |
| Network media      | 10BASE-T: CAT3, CAT4, CAT5 unshielded twisted pair( $\leq 100\text{m}$ )<br>100BASE-TX: CAT5 or above shielded twisted pair( $\leq 100\text{m}$ )<br>SFP port, transmission distance: 20Km, 40Km, 60Km, 80Km, 100Km   |
| LEDs               | Power, network, fiber   |
| Power supply       | Input voltage: DC 12-36V<br>No-load power: 5W<br>Reverse connection: support  |
| Environment        | Working temperature: $-40^{\circ} \sim 85^{\circ}\text{C}$<br>Storage temperature: $-40^{\circ} \sim 85^{\circ}\text{C}$<br>Working humidity: 10%~90%, non-condensing<br>Storage humidity: 10%~95%, non-condensing  |
| Industry Standards | EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A<br>EMS: EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3, EN 61000-4-8<br>Traffic Control: NEMA-TS2<br>Vibration: IEC 60068-2-6<br>Freefall: IEC 60068-2-32<br>Shock: IEC 60068-2-27<br>Rail Traffic: EN 50121-4 |
| Safety             | CE Mark, commercial<br>CE/LVD EN60950   |

|                        |  |
|------------------------|--|
| Mechanical information | Shell: Corrugated metal shell<br>Safety class: IP40<br>Dimension: 114.8 x 114 x 60mm (1 or 2 × 10/100M UTP RJ45)<br>158 x 114.8 x 60mm (4 or 6 × 10/100M UTP RJ45)<br>Mounting method: Din-rail mounting |
| Warranty               | Replacement within 1year; 5 years repairing  |

## Application



## Ordering information

| PN             | Description   |
|----------------|---|
| SPM-ET4X-PXT   | 10/100M Industrial Media Converter 1*10/100Base-Tx to 1* SFP slot without SFP modules |
| SPM-E12T4X-PXT | 10/100M Industrial Media Converter 2*10/100Base-Tx to 1* SFP slot without SFP modules |
| SPM-E14T4X-PXT | 10/100M Industrial Media Converter 4*10/100Base-Tx to 1* SFP slot without SFP modules |
| SPM-E16T4X-PXT | 10/100M Industrial Media Converter 6*10/100Base-Tx to 1* SFP slot without SFP modules |

Note: If you need more customized services, please contact us.

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