# ELOS-S5-16TX

## MAIN FEATURES

### 16*10/100Base-T

### Industrial Ethernet Switches

**Input Voltage**: DC12~58V

**Operating Temperature:** -40℃ ~ +75℃

**Shell**: IP40 protection, fanless design

**Test Report:** CCC, RoHS, FCC, CE

**Anti-static:** 8KV-15KV

**MTBF:** 100000 Hour

## PRODUCT DESCRIPTION

This device is 16*10/100Base-T Industrial Ethernet Switches. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

# PRODUCT PARAMETERS

| Provider Mode Ports | |
|---|---|
| Fixed port | 16*10/100Base-T |
| Power interface | Phoenix terminal, redundant dual power supply |
| LED Indicators | PWR , Link/ACT LED |
| | |

| Cable type & Transmission distance | |
|---|---|
| Twisted-pair | 0-100m（CAT5e,CAT6） |
| Monomode optical fiber | / |
| Multimode (optical) fiber | / |
| | |

| Network Topology | |
|---|---|
| Ring topology | Unsupported |
| Star topology | Support |
| Bus topology | Support |
| Tree Topology | Support |
| Hybrid topology | Support |
| | |

| Electrical Specifications | |
|---|---|
| Input voltage | DC12-58V |
| Total Power consumption | <10W |
| | |

| Layer 2 Switching | |
|---|---|
| Switching capacity | 32G |
| Packet forwarding rate | 23.8Mpps |
| MAC address table | 8K |
| Buffer | 2M |
| Forwarding delay | <10us |
| MDX/MIDX | Support |
| Jumbo Frame | Support 3.3Kbytes |
| | |

| Environment | |
|---|---|
| Operating temperature | -40℃~+75℃<br>The device is tested for 4 hours at temperatures in 85℃ |
| Storage temperature | -40℃~+85℃ |
| Relative humidity | 5%~95% non-condensing |
| Thermal methods | Fanless, natural cooling |
| MTBF | 100,000 hours |
| | |

| Mechanical Dimensions | |
|---|---|
| Product size | 143X104X48mm |
| Installation Method | DIN rail |
| Weight | 0.8KG around |
| | |

## EMC & Ingress Protection

| EMC & Ingress Protection | |
|---|---|
| IP Level | IP40 |
| Surge protection of Power | IEC 61000-4-5　Level 3（4KV/2KV）（8/20us） |
| Surge protection of Ethernet port | IEC 61000-4-5　Level 3（4KV/2KV）（10/700us） |
| RS | IEC 61000-4-3　Level 3（10V/m） |
| EFI | IEC 61000-4-4　Level 3（1V/2V） |
| CS | IEC 61000-4-6　Level 3（10V/m） |
| PFMF | IEC 61000-4-8　Level 4（30A/m） |
| DIP | IEC 61000-4-11　Level 3（10V） |
| ESD | IEC 61000-4-2　Level 4（8K/15K） |
| Free fall | 0.5m |

| Authentication | |
|---|---|
| Authentication | CCC, CE, FCC, RoHS |

| Accessories | |
|---|---|
| Accessories | Device, Terminals, Specification, Certificate, power adapter(optional) |

# SIZE AND APPEARANCE



Front view　　　Side view　　　Back view　　　Top view

Bottom view

48mm　　　104mm　　　35mm　　　143mm