DATASHEET
ER-1802U1GE-IPS

Products
Unique.
In addition to the most famous brands, we are specialized in providing solutions with alternative products to impress customers and competitors. Customized. The flexibility of our vendors, allows us to get out of the box to find the perfect cut on the needs of the customer.

ER TLC srl

Our Offer

Planning

Analyzing the demand, we help the customer to find the best solution.

Supplying

We evaluate the most suitable products for each situation, assisting the customer in choosing the best way.

Post Sales

We follow the customer throughout the life of the product, to always be a guarantee of quality.

We offer solutions for every kind of connectivity

- Copper
- Fiber
- Wireless

ER-1802U1GE-IPS

FEATURES:

- 1*10/100/1000M PoE port+ 1*100/1000MSFPport
  Industrial PoE Switch, port 1 support IEEE 802.3af/at;
- PoE port support AF/AT intelligent recognition. Standardpower is 15.4W/port, Maximumpower: 30W/port;
- PoE default: 1, 2(+)/3, 6(-)
- Operation TEMP:-40~85°C
- Input voltage: DC48-57V, Redundant dual power 5-bitindustrial terminals;
- IP protection level: IP40; Rail-type installation;

INTRODUCTION:

The ER-1802U1GE-IPS is a 10/100/1000M industrial PoE fiber switch. It has 1*10/100/1000M PoE port and 1*1000M SFP port, Port 1 can support IEEE 802.3af/at PoE standard, single port PoE power up to 30W, the maximum PoE output power is 18W (at-36W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, web camera, VoIP phone, industrial sensor through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy and green energy. Industrial scenes such as construction set up a cost-effective and stable communication network. Unmanaged model, plug and play, no configuration, easy to use.

Model	ER-1802U1GE-IPS
Interface	1*10/100/1000Base-T PoE port (Data/Power) 1*1000Base-X uplink SFP fiber slot port (Data)
	2 set of V+, V- redundant DC power interface (5Pin Phoenix terminal)
POE Port	Port 1
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x
PoE Standard	IEEE802.3af/at
Ethernet Port Feature	Port 1 support 10/100/1000Base-T, auto-sensing,Full/half duplex MDI/MDI-X self-adaption
SFP Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	8Gbps
Forwarding Rate@64byte	2.98Mpps
MAC	8K
Buffer Memory	1M
Jumbo Frames	10K

Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)	
Optical Fiber Cable	Multi-mode: 850nm 0~550M; single mode: 1310nm 0~40KM,1550nm 0-120KM.	
Power Supply Pin	Default:1/2 (+), 3/6 (-) optional: 4/5(+),7/8(-)	
Working Voltage	48-57VDC; 5P industrial phoenix terminal, anti-reverse protection.	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	18W/48VDC (IEEE802.3af)	36W/48VDC (IEEE802.3at)
Power Consumption	Standby:<4W; Full load:<18W	Standby:<5W; Full load:<32W
LED Indicator	Power: PWR (green), Network: Link, Link/Act (yellow), PoE: PoE (green)	
Power Supply	No, optional 48V/24W or 48V/36W industrial power supply	

Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension (L*W*H)	119*100*30mm
Net /Gross Weight	<0.3kg/<0.5kg
Installation	Desktop, 35mm DIN rail

Lightning protection / protection level	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022): Class A IEC61000-6-2(Common Industrial Standard)
Mechanical Properties	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock), IEC60068-2-32 (free fall)
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;