

# DATASHEET

## ER-1806UGE-IPS



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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

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CERTIFIED MANAGEMENT SYSTEM  
ISO/IEC 27001

# ER-1806UGE-IPS

## FEATURES:

- 4\*10/100/1000M PoE ports+ 2\*1000M SFP port Industrial PoE Switch, port 1-4 support IEEE 802.3af/at;
- PoE port support AF/AT intelligent recognition. Standard power is 15.4W/port, Maximum power: 30W/port;
- PoE default: 1, 2(+)/3, 6(-), alternative: 4, 5(+)/7, 8(-);
- Switching capacity:16Gbps, MAC table:8K;
- Input voltage: DC48-57V, Redundant dual power 5-bit industrial terminals;
- IP protection level: IP40; Rail-type installation;

## INTRODUCTION:

The ER-1806UGE-IPS is a full gigabit industrial PoE fiber switch. It has 4\*10/100/1000Base-T RJ45 ports and 2\*1000Base-X SFP fiber slot ports. Port 1-4 can support IEEE 802.3af/at PoE standard, single-port PoE power up to 30W, and the maximum PoE output power of the host is 60W (at-120W). 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 device such as wireless AP, IP camera, industrial sensor through the network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, sea transportation. Industrial scenes such as metallurgy and green energy construction form a cost-effective, stable and reliable communication network.



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Model	ER-1806UGE-IPS
Interface	4*10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink SFP fiber slot port (Data)
	2 set of V+, V- redundant DC power interface (5Pin Phoenix terminal)
Ethernet Port	Port 1-4 support 10/100Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption
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
SFP Port	Gigabit SFP optical fiber port, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable	Multimode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	16Gbps
Forwarding Rate@64byte	8.93Mpps
MAC	8K
Buffer Memory	2M
Jumbo Frames	9.2K
MTBF	539608 hours
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)
Power Supply Pin	Default:1/2 (+), 3/6 (-) optional: 4/5(+),7/8(-)



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Working Voltage	48-57VDC; 5P industrial phoenix terminal, anti-reverse protection.	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	60W/48VDC (IEEE802.3af)	120W/48VDC (IEEE802.3at)
Power Consumption	Standby:<4W; Full load:<60W	Standby:<5W; Full load:<120W
Power Supply	No, optional 48V/60W or 48V/120W industrial power supply	
LED Indicator	Power: PWR (green), Network: Link, Link/Act (yellow), PoE: PoE (green)	
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	<0.5kg/<0.7kg	
Installation	Desktop, 35mm DIN rail	
Lightning protection / protection level	<p>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</p> <p>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)</p>	
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;	



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