

Industrial 8-Port 10/100TX 802.3at Solar Power PoE Switch w/ 12~48V Booster

Features

- ▶ 8-Port 10/100/TX 802.3at PoE
- ▶ **12~48VDC wide range power input with power booster function**
- ▶ Supports IEEE 802.3at PoE+ (Max 30W PoE at one port), **Up to 240W PoE budget (48VDC), 120W PoE budget (24VDC), 60W PoE budget (12VDC)**
- ▶ Support Auto-MDIX, and full/half duplex self-negotiation mode
- ▶ Support 10K bytes giant frame, compatible with various extension protocol
- ▶ IEEE 802.3az Energy Efficient Ethernet (EEE)
- ▶ Redundant Power Inputs
- ▶ Supports Wall-mount and DIN-Rail installation
- ▶ -40°C to 80°C (-40°F to 176°F) operating temperature.



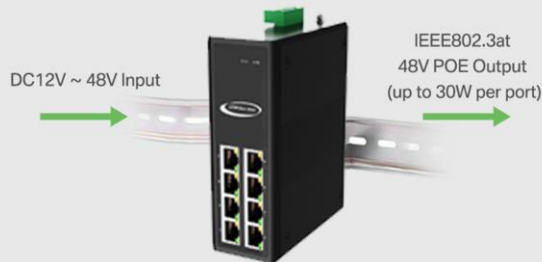
Overview

IES008P-12V is a Industrial 8-Port 10/100TX 802.3at Solar Power PoE Switch w/ 12~48V Booster. The switch provides 8-Port PoE+ function for kinds of Powered Devices to receive power as well as data over the RJ-45 cable. It supports 12VDC or 24VDC power input with power booster function. With its reliable design and ease of use, the product is a great choice for integrating networks consisting of network devices such as IP cameras and wireless access points between remote locations.

To facilitate the 802.3at PoE+ usage with the commonly-used 12~48V DC power input for transportation and industrial-level applications, the UF-IES008P-12V adopts 12~48V DC to 48V DC power boost technology to solve power source issue but does not require special power supplies. Its wide-ranging voltages design is suitable for worldwide operability with high availability applications requiring dual or backup power inputs. It supports 240W PoE budget (48VDC), 120W PoE budget (24VDC), 60W PoE budget (12VDC).

Application

Industrial 8 Ports POE Switch with DC12V - DC48V Voltage Booster



Specifications

Ethernet	
Standards:	IEEE 802.3 10BASE-T
	IEEE 802.3u 100BASE-TX
	IEEE 802.3x Flow Control and Back Pressure
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus
Forward & Filtering Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
Packet Buffer Size:	1M
Switch Fabric:	2Gbps
Processing Type:	Store-and-Forward
Max Packet Length:	10K Bytes Jumbo Frame
Address Table Size:	4K MAC Addresses
Interface	
Copper Ports:	8 x 10/100BASE-TX RJ45 auto-MDI/MDI-X ports
PoE Injector Ports	8 ports with 802.3at PoE+ injector function (Ports 1 to 8)
PoE	
Power over Ethernet	
PoE Standard	IEEE 802.3at Power over Ethernet Plus/PSE
PoE Power Supply Type	End-span
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Output	IEEE 802.3af Standard - Per port 48V~51V DC (depending on the power supply), max. 15.4 watts
	IEEE 802.3at Standard - Per port 51V~54V DC (depending on the power supply), max. 30 watts

PoE Power Budget	240W maximum @54V DC 120W maximum@24V DC 60W maximum@12V DC
Environmental	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF:	907,476 hours @ Telcordia SR-332 Standard
Heat Dissipation:	34 BTU/h (non-PoE mode) 853 BTU/h (with 240W PoE load)
Cooling:	Passive Cooling, Fanless Design
Noise Level:	0 dBA
Electrical and Mechanical	
Input Power:	12~48VDC, Redundant Power (Terminal Block)
Connector:	1 removable 6-contact terminal blocks Pin 1/2 for Power 1, Pin 3/4 for Power 2, Pin 5/6 for fault alarm
Protection:	Overload Current Protection, Reverse Polarity Protection
Power Consumption:	240W Max. (PoE in use, 48VDC input)
	10W Max. (PoE not in use)
Protection:	
Power Input Overload:	Automatic Resettable
Reverse Polarity:	Present
LED Indicators:	
Power:	Power1, Power2 Status
PoE:	Per Port Status
Ethernet (Per Port):	Link/Activity
Dimensions (WxDxH):	138 x 108 x 49 mm
Weight:	680g
Casing:	Aluminum Case
Mounting Options:	DIN-Rail / Wall-mount
Regulatory Approvals	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1

Order Information

Model	Description
UF-IES008P-12V	Industrial 8-Port 10/100TX 802.3at Solar Power PoE Switch w/ 12~48V Booster, PoE Power budget: 60W@12VDC, 120W@24VDC, 240W@48VDC
Mounting Options	► DIN-Rail or Wall Mount Installation
Power Options	► DIN-Rail Power Supply. Open Wire for Terminal Block.
	► Power Supply is to be purchased separately.

Dimension (Unit: mm)

