

8*10/100TX with 4-port 802.3at/af Industrial Unmanaged PoE Switch



Highlights

- 48 VDC Redundant Power Design
- IP 30 Casing
- Provide Fault Relay Output
- 8* 10/100 TX ports with 4-port PoE+ Injector
- PoE supports IEEE 802.3at Standard(Up to 30 watts)
- -20 to 70°C operating temperature

IESP-UT044 is an unmanaged industrial switch support PoE (Power over Ethernet) function on port 1 to port 4. The IESP-UT044 complies to IEEE 802.3at PoE and provides up to 30 watts power output per port. The switch supports IEEE802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDI-X auto-negotiation and provides a power fault relay warning function when power failures occur

Specification

Technology		Environment	
Standards	IEEE 802.3 10Base-T Ethernet	Operating Temperature	-20°C to 70°C
	IEEE 802.3u 100Base-TX/FX Fast Ethernet	Storage Temperature	-40°C to 85°C
	IEEE802.3xFlow Control and Back-pressure	Ambient Relative Humidity	0% to 95%(non-condensing)
Packet Buffer Memory	448 K bits	Regulatory Approvals	
Processing Type	Store-and-Forward	EMI	CE, FCC
Address Table Size	2K MAC addresses		
Interface		EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), Level 3, EN61000-4-6 (CS), Level 3
LED Indicators	Power (Green) X 2		
	RJ45 Port: Link/Activity.		
	Alarm: Port/Power Event (Red On)		
RJ45 Ports	8 x 10/100 Base-T(X), Auto MDI/MDIX; 4 of 8 are PoE port		
Fiber Ports	N/A	Shock	IEC60068-2-27
Terminal Block	6-pole terminal block X 1	Free Fall	IEC60068-2-32
Power		Vibration	IEC60068-2-6
Input	48VDC, redundant inputs, Reverse Polarity Protection	PoE	IEEE 802.3 at 4* PoE
Power Consumption	8 W Max @ 48VDC (Switch only) + 4* PoE PD class type	PoE Port	Port 1~4
Mechanical		Power output	30 watts max@ 48VDC
Casing	IP 30 Protection Aluminum Case		
Dimensions	55mm(W)x108mm(D)x120mm(H)		
Installation	DIN-Rail(Standard), Wall Mount(Option)		

Hardware Specification

Switch Architecture	Back-plane (Switching Fabric):
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Packet Buffer	448K Bits
Mac Address	2K MAC address table
Connector	10/100TX: 8 x RJ-45 with auto MDI/MDI-X function Power & P-Fail connector: 1 x 6-pole terminal block RJ-45 port # 1~# 4 support IEEE 802.3at End-Span, Alternative A mode.
PoE pin assignment	Per port provides 30W (MAX) which depends on the power consumption of the PD. Positive (VCC+): RJ-45 pin 1, 2. Negative (VCC-): RJ-45 pin 3, 6. Data (1,2,3,6)
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5/ 5E cable EIA/TIA-568 100-ohm (100m)
Protocol	CSMA/CD
LED	Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red), PoE (Green) Ethernet: Link/Activity (Green), Speed (Green)
Power Input	DC 48V, Redundant power input with polarity reverse protection.

Ordering information

IES-UT044	8*10/100TX with 4-port 802.3at/af PoE Injector Industrial Unmanaged PoE Switch -20C to 70C
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