

RELIABLE. HARDENED. GIGABIT SPEED.

MEET SOLIS ENERGY'S INDUSTRIAL PoE SWITCH.



High performance at environmental demands. Solis Energy's HPX series of switches features hardened, industrial-grade equipment designed to reliably connect PoE devices. Engineered with durability in mind, the HPX-2624 features a full metal case and fanless design with an operating temperature range of -40°C up to 70°C, making the HPX extremely resistant to hardware failure and well-suited to even the most demanding operating conditions. Highlighted by powerful gigabit speeds and an extremely low power-draw, the HPX is ideal for any outdoor application.

HARDENED PoE SWITCH



FEATURES

- Wide Temperature Range (-40°C to 75°C)
- Fanless Industrial Design
- 4 802.3af/at Gigabit PoE Port
- 2 SFP Ports
- DIN Rail Mounting
- Redundant Power Inputs
- Over Current And Reverse Current Protection
- Low Power Consumption



APPLICATIONS

- Surveillance Camera
- Telecommunications Equipment
- Traffic Systems
- Industrial IoT
- Wi-Fi Access Points
- Radar & Lidar



POWER WHEN YOU NEED IT.

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Rev 24.3

HPX-2624



TECHNOLOGY	Ethernet Standards	IEEE 802.3af PoE IEEE 802.3at PoE+ IEEE 802.3 10BaseT IEEE 802.3u 100BaseT (X)	IEEE 802.3ab 1000BaseT (X) IEEE 802.3z 1000BaseX IEEE 802.3x Flow Control IEEE 802.3az Energy Efficiency
	EMI Standards	FCC Part 15, CISPR (EN55022) Class A	
	EMS Standards	EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-4 (EFT), Level 4	EN61000-4-5 (Surge), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-8, Level 5
PoE SPECIFICATIONS	PoE Modes	IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+)	
	Number of PoE+ Ports	4	
	Maximum Power	30W (IEEE 802.3at)	
	PoE Pinout	Pins 1, 2: V+; Pins 3, 6: V- (End-span)	
	PoE Format	Mode A	
POWER SPECIFICATIONS	Connection	1 removable 6-contact terminal block	
	Input Voltage	48VDC (46 - 57 VDC), Redundant Dual Inputs	
	No-Load Consumption	5W @ 48VDC	
	Full-Load Consumption	8W @ 48VDC (Excluding PD's consumption)	
	Power Budget	128W @ 48VDC total for PD and Switch	
	Redundant Dual Inputs	Present	
	Reverse Polarity	Present	
	Over-Current Protection	Present	
PORT SPECIFICATIONS	Number of Ethernet Ports	4	
	Ethernet Connector Type	RJ45	
	Ethernet Standard	10/100/1000BASE-TX Auto Negotiation Speed Full/Half Duplex Mode Auto MDI/MDI-X Connection	
	Number of Fiber Ports	2	
	Fiber Connector Type	SFP Slot	
	Fiber Standard	1000BASE-X	
SWITCH PROPERTIES	Packet Forwarding Rate	8.9 MPPS	
	Data Processing	Store and Forward	
	MAC Table Size	1 K	
	Jumbo Frame Size	10 Kbytes	
	Packet Buffer Size	1 Mbit	
PHYSICAL SPECIFICATIONS	Dimensions (W x H x D)	41 x 153.5 x 125.5 mm (including DIN mount)	
	Weight	590g	
	Installation	DIN-Rail Mount; Wall Mount	
	Operating Temperature	-40 to 75 °C	
	Storage Temperature	-40 to 85 °C	
	Ambient Relative Humidity	5 to 95% (non-condensing)	
	Housing	Extruded Aluminum Alloy	
	Ingress Protection	IP40	

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