



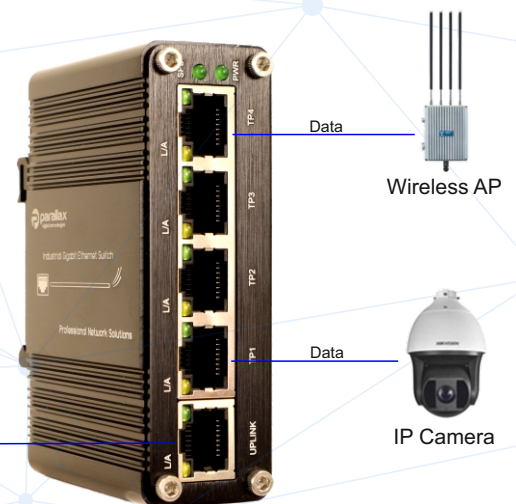
- 5 x 10/100/1000 BASE-T RJ45 Ports auto-MDI/MDI-X
- Supports auto-negotiation and 10/100Mbps half/full duplex and 1000Mbps full duplex
- 12-48VDC Power Input
- Supports 802.3x Flow Control
- Compliant with IEEE 802.3az Energy Efficient Ethernet
- DIN Rail and Wall-Mount Installation
- IP40 Aluminium Enclosure
- -40°C to +80°C Operating Temperature Range

## Overview:

The PDT-NSU-7005-I is an Ultra-Small Form Factor Industrial Unmanaged Network Switch, supporting 5 x 10/100/1000 BASE-T RJ45 Ports. The unit is designed for harsh industrial conditions and environments and has a wide operating input voltage range of 12-48VDC, allowing it to be used in solar or other battery powered applications. The unit is housed in a rugged aluminium case, and the device has a wide operating temperature range, to allow it to be used in a wide variety of applications.

## Applications

- Solar Powered Installations
- CCTV Installations
- Access Points
- Access Control
- Remote Monitoring Stations
- Distributed IoT Gateways



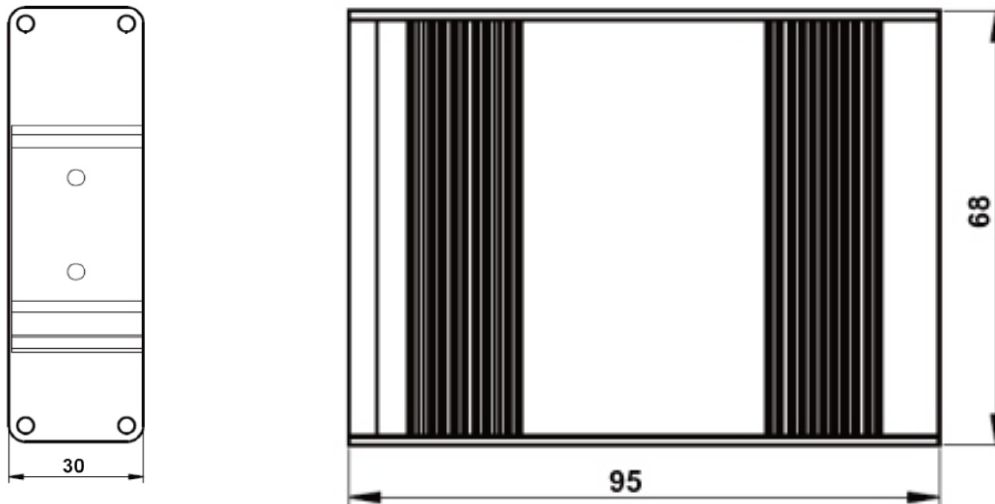
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## Specifications

ETHERNET	Standards	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Efficient Energy Ethernet	MECHANICAL	Dimensions	95mm x 70mm x 29mm
	Forwarding and Filtering Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)		Weight	0.25kg
	Packet Buffer	1Mbits	Casing	Aluminium	Mounting
	Packet Length	10KB			
	MAC Address Table	8K	INDICATORS	PWR	Power
	Switch Fabric	10Gbps/ non-blocking		L/A	Link/ Activity
	Exchange Property	Backplane Bandwidth: 20Gbps Packet Forwarding Rate: 14.88Mbps	SPD	SPD	Data Rate
INTERFACE	Wired	5 x 10/100/1000T RJ45	CERTIFICATION	Electrical Safety	EN 62368-1:2020+A11:2020
				Emissions	EN 55032:2015+A1:2020
ENVIRONMENTAL	Operating Temp	-40°C to +80°C	Radiated Immunity	EN 55035:2017+A11:2020	
	Storage Temp	-40°C to +85°C	Harmonic Emissions	EN 61000-3-2:2014	
	Relative Humidity	5% - 95% - non-condensing	Fluctuations and Flicker	EN 61000-3-3:2013	
	MTBF	>200,000 hours	Electro-Static Discharge	EN 61000-4-2:2009	
ELECTRICAL	Operating Voltage	12-48VDC (Terminal Block Connector)	Electromagnetic Field Immunity	EN 61000-4-3:2010	
	Power Consumption	6W	Electrical Fast Transients	EN 61000-4-4:2012	
	Short-Circuit Protection	Auto-Reset	Surge	EN 61000-4-5:2014+A1:2017	
	Reverse Polarity	Protected	Conducted Immunity	EN 61000-4-6:2014	
			Power Frequency Magnetic Field	EN 61000-4-8:2010	
			RoHS	IEC 63000:2018	

## Dimensions



All Dimensions in mm

## Ordering Information

Model	Description	Part No
PDT-NSU-7005-I	5 Port 10/100/1000 BASE-T - Unmanaged SFF Industrial Switch, 12-48VDC	0010-00060

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