



- 8 x 10/100/1000 BASE-T RJ45 Ports Auto-MDI/MDI-X
- All ports support IEEE 802.3af/at PoE (30W per Port)
- +48-57VDC Operating Voltage
- Supports 802.3x Flow Control
- Supports IEEE 802.3az Energy Efficient Ethernet (EEE)
- DIN Rail and Wall-Mount Installation
- Up to 240W PoE Budget
- IP40 Aluminium Enclosure
- -40°C to +80°C Operating Temperature Range

## Overview:

The PDT-NSU-7008-MP-I is an Unmanaged Ethernet PoE+ switch, providing 8 x 10/100/1000 PoE+ RJ45 for connectivity, designed to directly connect to devices such as IP Cameras, Wireless APs, IP Telephones etc. This model operates from a nominal +48VDC power supply but can utilize supplies in the range +48 -57VDC.

The device is designed for use in harsh industrial environments, and incorporating a rugged aluminium housing, it can be operated across a wide temperature range (-40°C to +80°C) making it suitable for most conditions.

## Applications



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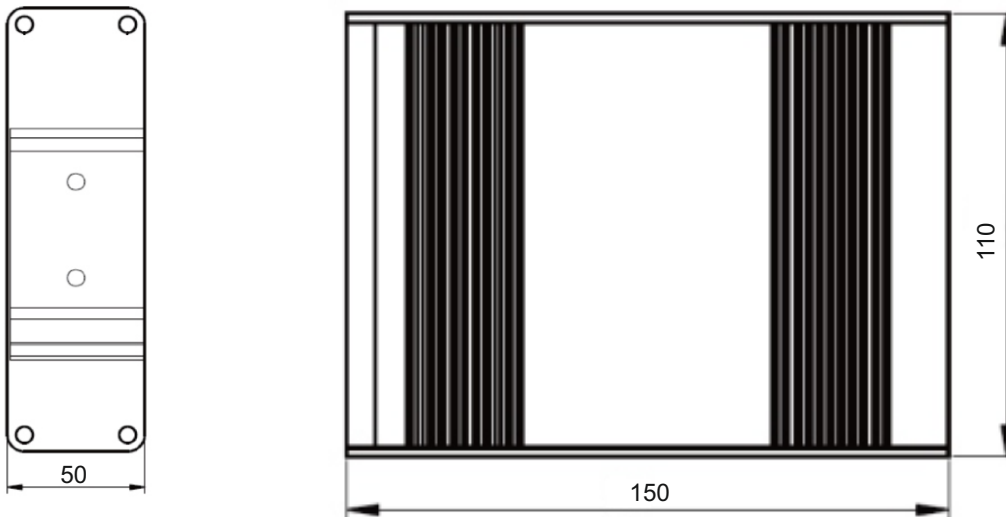
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## Specifications

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 IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus	ELECTRICAL	Operating Voltage	+48-57VDC (Terminal Block Connector)
	Forwarding and Filtering Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)		Power Consumption	5W without PoE- 245W with Max PoE
	Packet Buffer	2Mbits		Short-Circuit Protection	Auto-Reset
	Packet Length	10KB	MECHANICAL	Dimensions	150mm x 110mm x 50.8mm
	MAC Address Table	16K		Weight	0.6 kg
	Switch Fabric	16Gbps/ non-blocking	Casing	Aluminium	
	Exchange Property	Backplane Bandwidth: 20Gbps Packet Forwarding Rate: 14.88Mbps	Mounting	DIN Rail & Wall Mount	
			INDICATORS	PWR T1-8 FX1/2	Power Link/ Activity Not Used
INTERFACE	Wired	8 x 10/100/1000 BASE-T PoE+ RJ45	CERTIFICATION	Electrical Safety	EN 62368-1:2020+A11:2020
PoE	Standard Port	IEEE 802.3af / 802.3at RJ45		Emissions	EN 55032:2015+A1:2020
	Power Pin Assignment	4/5 (+) 7/8 (-)		Radiated Immunity	EN 55035:2017+A11:2020
	PoE Budget	240W		Harmonic Emissions	EN 61000-3-2:2014
ENVIRONMENTAL	Operating Temp	-40°C to +80°C		Fluctuations and Flicker	EN 61000-3-3:2013
	Storage Temp	-40°C to +85°C		Electro-Static Discharge	EN 61000-4-2:2009
	Relative Humidity	5% - 95% - non-condensing		Electromagnetic Field Immunity	EN 61000-4-3:2010
	MTBF	>200,000 hours		Electrical Fast Transients	EN 61000-4-4:2012
				Surge	EN 61000-4-5:2014+A1:2017
				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-7008-MP-I	8 Port 10/100/1000 BASE-T PoE+ Unmanaged SFF Industrial Switch, +48-57VDC	0010-00044

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