

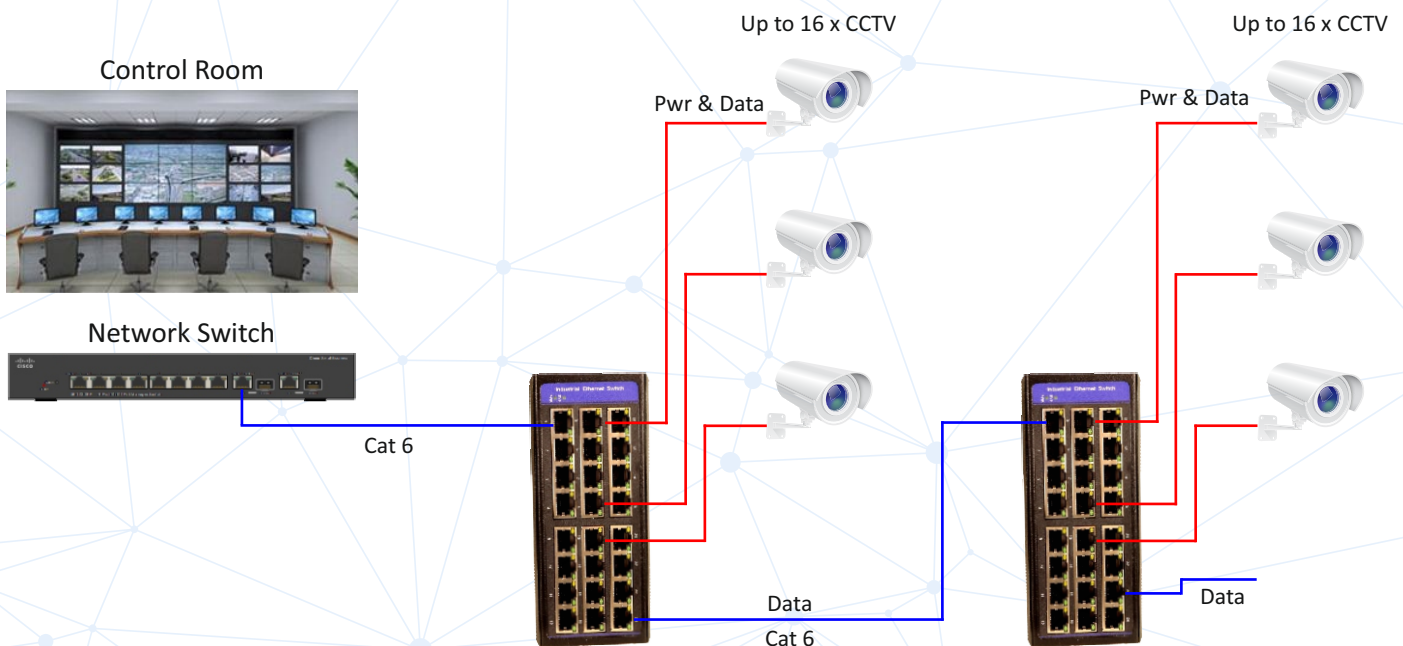


- 16 x 10/100/1000 BASE-T RJ45 Ports  
Auto-MDI/MDI-X IEEE 802.3at PoE+
- 8 x 10/100/1000 BASE-T RJ45 Ports
- Supports 10kB Giant Frames
- Supports IEEE802.3az Energy Efficient Ethernet
- Supports 802.3x Flow Control
- +48 ~ +57VDC Operating Voltage
- No Cooling Fan Required
- DIN Rail and Wall-Mount Installation
- IP40 Aluminium Enclosure
- -40°C ~ +80°C Operating Temperature Range

## Overview:

The PDT-NSM-7024-MP-I is a Small Form Factor Industrial Managed Network Switch, supporting 16 x 10/100/1000 BASE-T RJ45 Ports, all compliant with IEEE 802.3at PoE+, and 8 x 10/100/1000 BASE-T RJ45 Ports. This model is designed for a nominal +48VDC Power Supply but can operate on input voltages from +48-57VDC. It is ideal for use in applications that require management of larger numbers of access ports, where there also a requirement for Power over Ethernet, whilst not requiring fibre connections. The unit has dual power input connections to allow for power supply redundancy; whichever input has the higher voltage will take over as the power supply feed for the device. 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 applications, and has 4kV Surge Protection.

## Applications



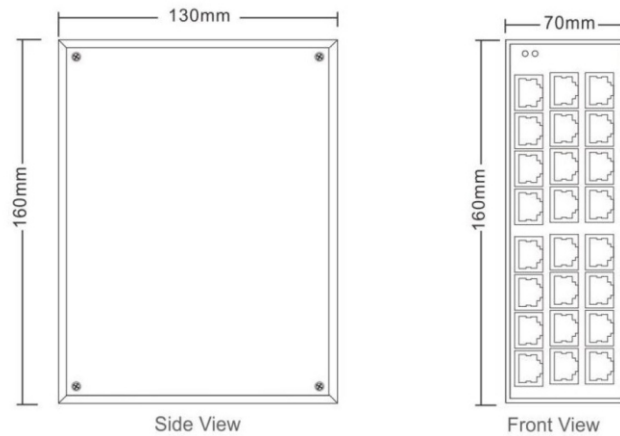
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## Specifications

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 Energy Efficient Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3ad Link Aggregation LACP IEEE 802.3ah OAM Configuration IEEE 802.3D Spanning Tree Protocol IEEE 802.1x Port Network Auth Control IEEE 802.1Q VLAN Tagging IEEE 1588 Precision Time Protocol	MECHANICAL	Dimensions	160mm x 130mm x 70mm
	Forwarding and Filtering Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)		Weight	1.0 kg
	Packet Buffer	4Mbits	Casing	Aluminium	Mounting
	Packet Length	10KB	Mounting	DIN Rail & Wall Mount	
	MAC Address Table	8K	INDICATORS	PWR SYS RJ45 LINK RJ45 ACT	Power System Operational Port Link Status Port Activity
	Switch Fabric	10Gbps/ non-blocking	SOFTWARE	Redundancy	STP
	Exchange Property	Backplane Bandwidth: 48Gbps Packet Forwarding Rate: 148810 (64B)		Multicast	EAPS/ERPS IGMP Snooping V1/V2/V3 GMRP
				VLAN	IEEE 802.1Q 8K VLAN QINQ
INTERFACE	Wired	16 x 10/100/1000 BASE-T RJ45		Link Aggregation	Manual, Static LACP
	Wired Non-PoE	8 x 10/100/1000 BASE-T RJ45		QoS	COS, DSCP, WRR/SP/WFQ
				Management Interface	CLI / WEB / SNMP
ENVIRONMENTAL	Operating Temp	-40°C to +80°C		Diagnostics	Port Mirror / Syslog / Ping
	Storage Temp	-45°C to +85°C		Alarm	1 Way Relay Alarm
	Relative Humidity	5% - 90% - non-condensing		Security	RMON SNMP Trap
	MTBF	500,000 hours			DHCP Snooping, Opt 82, User Mgmt ACL, DOS, Port Base MAC Filter/Binding
PoE	Standard Port	IEEE 802.3af / 802.3at	CERTIFICATION	Electrical Safety	EN 62368-1:2020+A11:2020
	Port	RJ45		Emissions	EN 55032:2015+A1:2020
	Power Pin Assignment	4/5 (+) 7/8 (-)		Radiated Immunity	EN 55035:2017+A11:2020
	PoE Budget	480W		Harmonic Emissions	EN 61000-3-2:2014
				Fluctuations and Flicker	EN 61000-3-3:2013
ELECTRICAL	Operating Voltage	+48VDC (+48~+57VDC) (Phoenix)		Electro-Static Discharge	EN 61000-4-2:2009
	Power Consumption	15W - no PoE		Electromagnetic Field Immunity	EN 61000-4-3:2010
	Power Max	495W - with full PoE		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

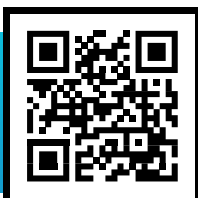
## Dimensions



## Ordering Information

Model	Description	Part No
PDT-NSM-7024-MP-I	16 Port 10/100 /1000 BASE -T RJ45 IEEE 802.3at PoE+ + 8 Port 10/ 100/1000 BASE -T SFP Managed Industrial Switch 48VDC	0010 -000 34

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