

KUSA Industrial Ethernet Switch

**\*Certified Cisco Replacement**



# KY-8PSE30WU (Clean Code Technology)

with 8 x 10/100/1000Base-T(X) PSE Ports

## Features

- KY-8PSE30WU - Provides 8 x 10/100/1000BaseT(X) PSE Ports (IEEE802.3at)
- Supports P.S.E. based on IEEE 802.3at standard for up to 30 Watts per port
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store-and-forward transmission
- Supports flow control
- Rigid IP-30 housing design - with Din Rail Mounting
- DIN-Rail and wall mounting enabled
- Temperature Hardened (-40c to +80c) - HD Video Camera Ready
- Clean Code Programming
- Cyber-Secure Video
- Supports Jumbo Frames (Up to 9K Bytes)
- Plug and Play - Easy Installation
- 5 Year Warranty / ONVIF Network Certified



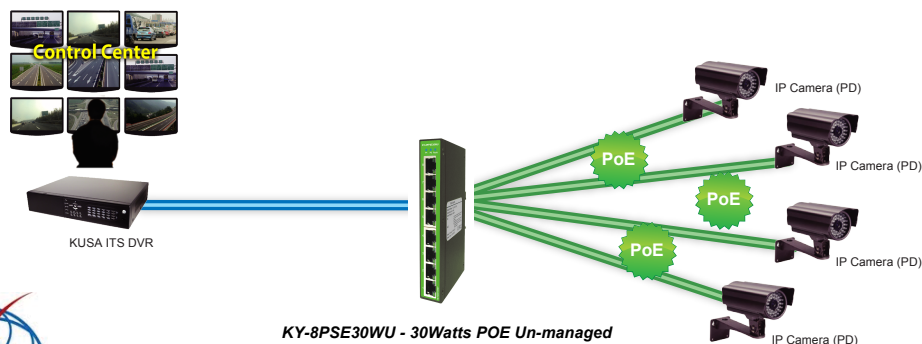
## Introduction

The KY-8PSE30WU - is an Unmanaged POE Ethernet Switch with PSE functionality. It is a 8 x 10/100/1000BaseT(X) PSE switch capable of providing up to 30 Watts per port - on all ports - all the time. (IEEE802.3at Standard). Power over Ethernet is a system capable of sending power, along with data, to remote powered devices (PD's) over standard twisted pair cabling in an Ethernet network. This device is temperature hardened (-40 to +80C) and designed to operate in harsh environments. Certified NEMA TS-2 for Traffic Control Equipment - Outdoor. KUSA products are the #1 choice for reliability, safety and security. Low Power consumption insures energy savings - every day, making this switch a better value over competitors equipment. Our switches have Clean Code Technology insuring better security.

**The KY-8PSE30WU is a superior POE switch (802.3at) capable of withstanding the harshest environments.**

## Operational Example

The KY-8PSE30WU can be used in connecting several PoE P.D. Ethernet devices like IP-Cameras or other Ethernet devices. In addition, there are two different power inputs at the terminal block to avoid interruption caused by a power outage. When the primary DC power input fails, the backup power input will take over immediately to guarantee the non-stop operation. of the network. Better products result in better networks and non-stop operation.

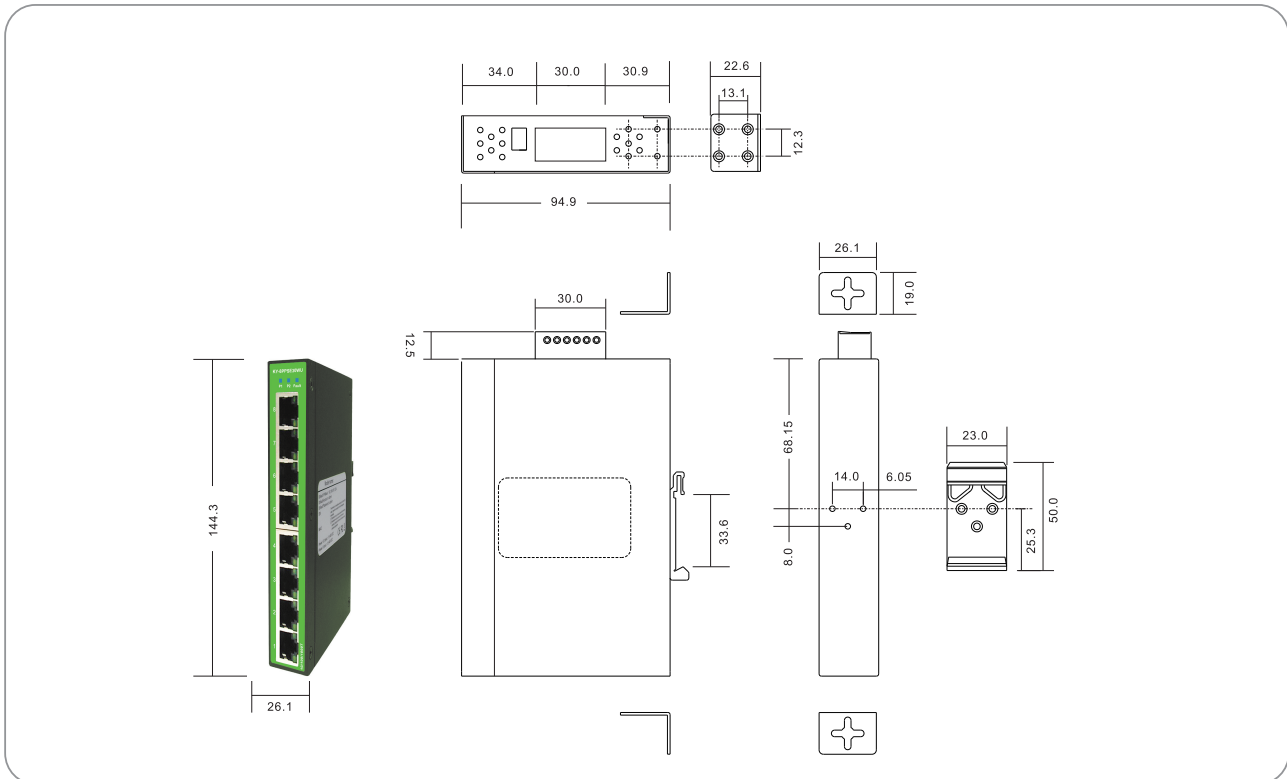


Cameras or Sensors - Power up to 30 Watts Per Port

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### Dimensions



(Unit=mm)

### PoE Pin Assignment

10/100Base-T(X) P.S.E. RJ-45 Port	
RJ-45 Pin Definition	
Pin No.	Description
#1	TD+ with PoE Power input +
#2	TD- with PoE Power input +
#3	RD+ with PoE Power input -
#6	RD- with PoE Power input -

1000Base-T P.S.E. RJ-45 Port	
RJ-45 Pin Definition	
Pin No.	Description
#1	BI_DA+ with PoE Power input +
#2	BI_DA- with PoE Power input +
#3	BI_DB+ with PoE Power input -
#4	BI_DC+
#5	BI_DC-
#6	BI_DB- with PoE Power input -
#7	BI_DD+
#8	BI_DD-

### Specifications

KUSA Switch Model	KY-8PSE30WU
<b>Physical Ports</b>	
10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX	1
10/100/1000Base-T(X) Ports in RJ45 with P.S.E.	8
<b>Technology</b>	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow control IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
MAC Table	8K MAC addresses

## Industrial Ethernet Switch

Processing	Store-and-Forward
<b>LED Indicators</b>	
Power indicator	Green : Power LED x 2
Fault indicator	Amber : Indicates PWR1 or PWR2 failure occurred
10/100/1000Base-T(X) RJ45 port indicator and PoE indicator (P1 ~ P4)	Green for port Link/Act. Green for PoE power injected
10/100/1000Base-T(X) RJ45 port indicator (P5)	Green for port Link/Act. Amber for 100Mbps indicator
<b>DIP-Switch</b>	
DIP-Switch 1	Power-1 failed warning : (ON) enable, (OFF) disable
DIP-Switch 2	Power-2 failed warning : (ON) enable, (OFF) disable
<b>Fault contact</b>	
Relay	Relay output to carry capacity of 1A at 24VDC
<b>Power</b>	
Redundant Input power	Dual DC inputs. 50~57VDC on 6-pin terminal block.
Power consumption (Typ.)	6.1 Watts
Overload current protection	YES
Reverse polarity protection	YES
<b>Physical Characteristics</b>	
Enclosure	IP-30
Dimensions (W x D x H)	26.1 (W) x 94.9 (D) x 144.3(H) mm (1.03 x 3.74 x 5.68 inches)
Weight (g)	405 g
<b>Environmental</b>	
Storage temperature	-40 to 85°C (-40 to 185°F)
Operating temperature	-40 to 80°C (-40 to 176°F) Fanless, Convection Cooled
Operating humidity	5% to 95% Non-condensing
<b>Regulatory Approvals</b>	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-11, EN61000-4-6(CS), EN61000-4-8
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
Warranty	5 years
<b>Cryptologic</b>	
Cyber-Secure Video with Clean Code Technology	NSA / CSS Coding Guidelines / with Silicon Enhancements
Clean Code - Precision Programming	Precision Certified Code Streams
<b>Exceeds NEMA TS-2 for Traffic Control Equipment</b>	

ORDER Model	Model Name	Description
	KY-8PSE30WU	Industrial 8-port slim type unmanaged Gigabit PoE Ethernet switch with 8 X 10/100/100Base-T(X) PSE Ports
<b>Packing List</b>		
<ul style="list-style-type: none"> <li>• KY- 8 PSE30WU</li> <li>• DIN-Rail Kit</li> <li>• Wall-mount Kit</li> <li>• Quick Installation Guide</li> </ul>		

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