KUSA Industrial Ethernet Switch

*Certified Cisco Replacement

KY-24PSE30WU (CYBER-SECURE TECHNOLOGY)

with 24 x 10/100/1000Base-T(X) PSE Ports and 4 x 1000Base-X, SFP Sockets

Features

- KY-24PSE30WU Provides 24 x 10/100/1000BaseT(X) PSE Ports (IEEE802.3at) and 4 x 1000Base-X, SFP Sockets
- 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 / ONVIF Network Tested and Certified - Camera Ready
- Supports Jumbo Frames (Up to 9K Bytes)
- Plug and Play - Easy Installation - HD Camera Ready
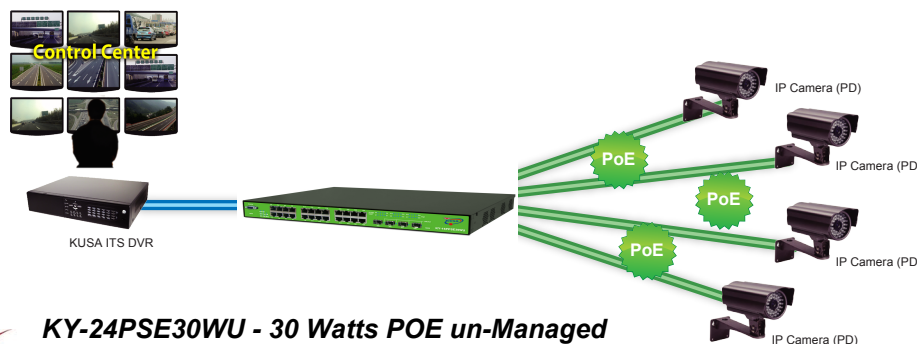- 5 Year Warranty / ONVIF Network Certified

Introduction

The KY-24PSE30WU   - is an Unmanaged POE Ethernet Switch with PSE functionality. It is a 24 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 opereate 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 switch also has 4 x 1000Base-X, SFP sockets for High Definition and High Bandwidth support and redundancy.

The KY-24PSE30WU is a sperior POE switch (802.3at) capable of withstanding the harshest environments.

Operational Example

* Dual Power Inputs for Redundancy.   - Superior redundancy equals Better Network Operations
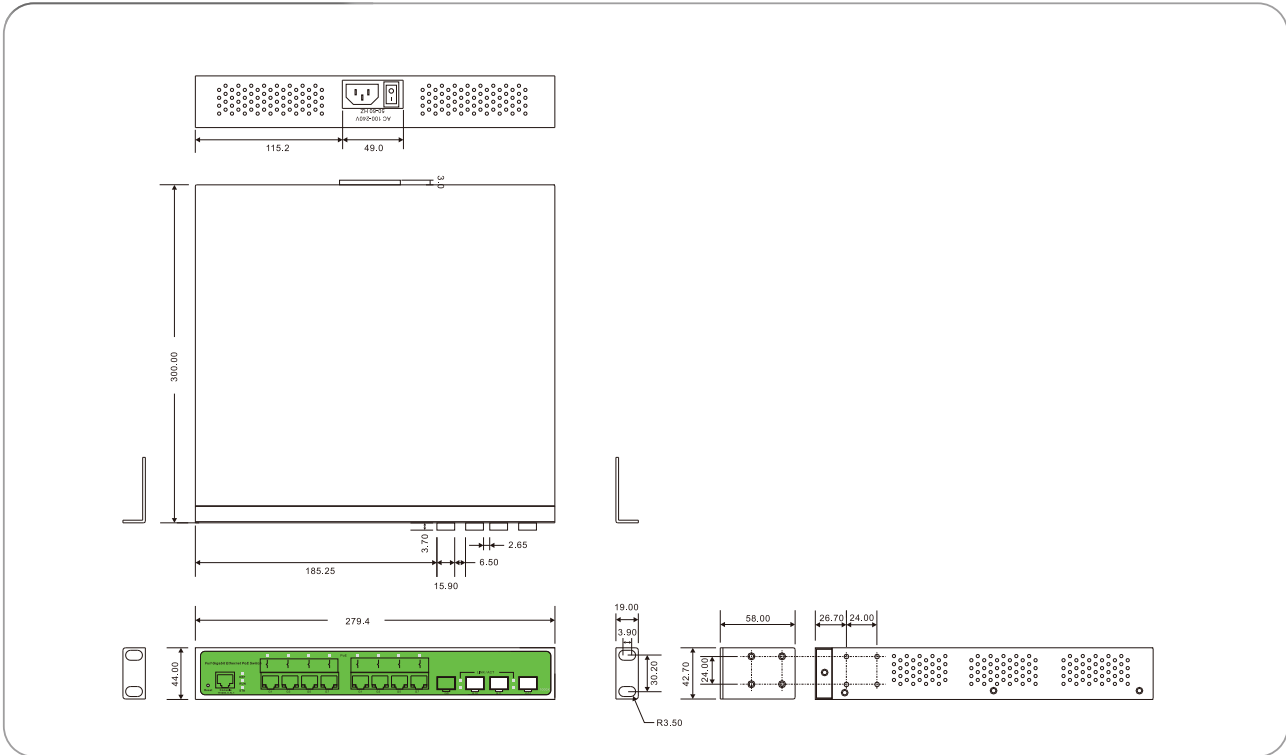

KY-24PSE30WU - 30 Watts POE un-Managed

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-24PSE30WU
Physical Ports	
1000Base-X, SFP Sockets	4
10/100/1000Base-T(X) Ports in RJ45 with P.S.E.	24
Technology	
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

KUSA Industrial Ethernet Switch

Processing	Store-and-Forward
LED Indicators	
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
DIP-Switch	
DIP-Switch 1	Power-1 failed warning : (ON) enable, (OFF) disable
DIP-Switch 2	Power-2 failed warning : (ON) enable, (OFF) disable
Fault contact	
Relay	Relay output to carry capacity of 1A at 24VDC
Power	
Input Power	AC 100 To 240 Volts (50 - 60 HZ)
Power consumption (Typ.)	6.1 Watts
Overload current protection	YES
Precision Power & Timing Protection	YES
Physical Characteristics	
Enclosure	IP-30
Dimensions (W x D x H)	279.4(W) x 300(D) x44(H) mm (11 x 11.81 x 1.73 inch)
Weight (g)	2950 g
Environmental	
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
Regulatory Approvals	
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
Cryptologic	
Cyber-Secure Video with Clean Code Technology	NSA / CSS Coding Guidelines / with Silicon Enhancements
Clean Code - Precision Programming	Precision Certified Code Streams

Exceeds NEMA TS-2 for Traffic Control Equipment

ORDER Model	Model Name	Description
	KY-24PSE30WU	Industrial 24 Port Industrial Gigabit Power Over Ethertnet , CYBER-SECURE, with 24 x 10/100/1000Base-T(X) PSE ports and 4 x 1000Base-X, SFP sockets

Packing List
- KY- 24PSE30WU
- DIN-Rail Kit
- Wall-mount Kit
- Quick Installation Guide

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