KBC-VE-DINPOE5 Series

Unmanaged Industrial Ethernet Switch with PoE
5 Copper Ports

data delivered

Product Description

The KBC VE-DINPOE5 Ethernet series is a 5 port, unmanaged industrial switch. The switch provides connectivity for up to five 10/100/1000Mbps twisted pair copper ports which are automatically configured. 4 of the ports supply IEEE802.3af/at compliant PoE with up to 35W per port (maximum of 70W in total). The series is designed for use in a wide range of operating temperatures in non-environmentally conditioned, industrial applications. and with plug-and-play design provides ease and speed of installation.
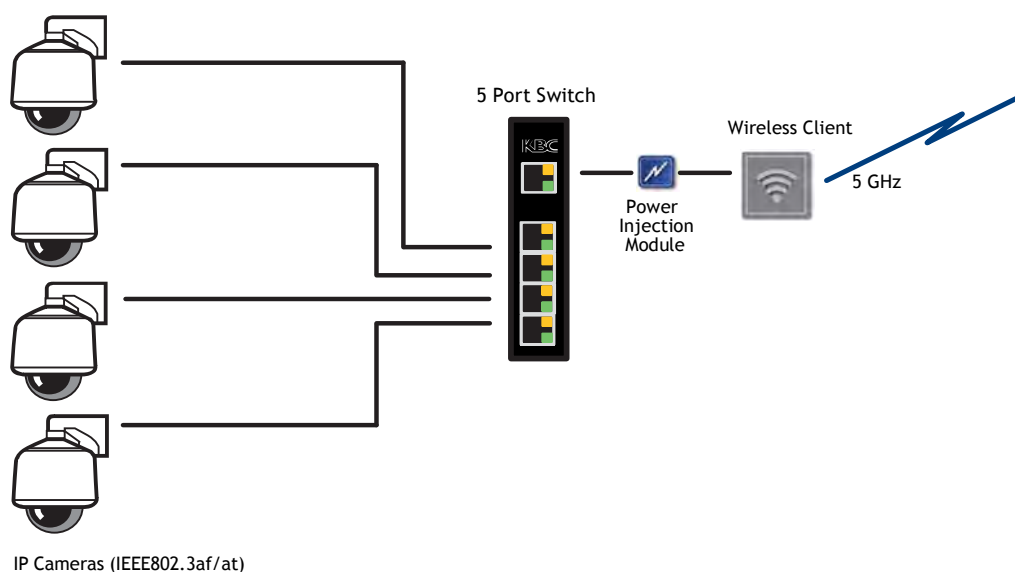
The series is available in a DIN rail configuration.

Product Features

- Input voltage: 12-36Vdc wire terminal connector
- 4 Ports IEEE 802.3af/at compliant 48V, 1 uplink port
- Gigabit data rate @ 10/100/1000Mbps
- Up to 35W per port; max 70W total
- Built in Surge Protection
- Operating temperature -20 ~ +75°C / -4 ~ +167°F

Typical System Configuration

5 Port Switch

Wireless Client

Power Injection Module

5 GHz

IP Cameras (IEEE802.3af/at)

Specifications

Standards
IEEE Standard	IEEE 802.3u 100BASE-TX
	IEEE 802.3x Full Duplex

Switch Performance
Switching Method	Store & forward
Transfer Rate	1488000 pps for 1000BaseT
Transmission Speed	Auto-negotiation for 10/100/1000Mbps
Protocol	CSMA/CD
MAC Address table	1k, self-learning

PoE
Standard	IEEE802.3af/at
Ports	Ports 1-4 auto-power management
	Pin assignment: Tx(1,2), Rx(3,6) V+(4,4),V-(7,8)
Power Supplied	Up to35W per port, max 70W total
PoE Protection	Over temperature, over current, over/under voltage

Power
Power Input	24Vdc (12V ~ 36V), dual dc inputs, reverse polarity protected Also accepts PoE power input on uplink port
Power Consumption	<4W
Surge Protection	IEC61000-4-2 (ESD) ±15kV(air), ±8kV(contact), IEC61000-4-4 (EFT) 40A (5/50ns) IEC61000-4-5 (Lightning) 20A (8/20µs)

Mechanical
Dimensions (W x H x D)	118mm x 40mm x 159mm/ 4.6" x 1.6" x 6.3"
Weight	383g / 13.5Oz

Environmental
Operating Temperature	-20˚ ~ +75˚C / -4˚ ~ +167˚F
Storage Temperature	-55˚ ~ +105˚C /-67˚ ~ +221˚F

Connectors
10/100/1000	Shielded RJ45
Power	Screw block terminal

LED Indicators
Link	Green on, activity blinking
PoE Detect	Yellow on, error blinking
Power	Green on, power on alarm red on

Part Number

KBC-VE-DINPOE5

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1. Unit is supplied with both DIN rail and wall-mount fittings.