

VES30-4S

4 + 1 Gigabit Ethernet Switch with 4-Port PoE



Main Features

- 4 x 10/100/1000 Mbps PoE port (802.3af compliance)
- 15.4W at 48VDC for each PoE port
- Low battery voltage protection
- CE/FCC, E13 mark certification

- Wide power input range 9 ~ 36VDC
- -30 ~ 70°C operating temperature
- Ignition power on/off support
- Power on/off delay time setting

Product Overview

VES30-4S mobile PoE switch is designed for telematics applications in harsh environments with fanless enclosure. It provides 5 Giga bit Fast Ethernet ports including 4 IEEE 802.3af compliance PoE ports to transfer large amounts of video streaming, voice and critical data across Ethernet network smoothly and quickly.

As the power source from a vehicle is unstable by nature, the mobile PoE switches support a wide voltage input range of 9VDC to 36VDC and provide smart power management with low battery voltage protection, power-on and power-off delay timer, and auto ignition power on/off functions. These unique features can secure reliable operation and prevent premature failure of both the PoE switches and vehicle.

VES30-4S is encased in a fanless dustproof enclosure and can operate under shock, vibration, and temperature extremes from -30 to 70°C. The mobile PoE switches are also small in size and support din rail mounting for ease of installation with PD devices such as IP cameras and Wi-Fi access points.

Specifications

Architecture

- Switch architecture. Highly integrated, unmanaged-smart gigabit, store and forward switch
- 4K entry MAC address table with automatic learning and aging

Power over Ethernet

- PoE standard IEEE 802.3af Power over Ethernet/PSE
- PoE power supply type end-span
- PoE power output per port 48V DC, 350mA. max. 15.4 watts

Network Connector

- 4-port RJ45 for 10/100/1000 base-T. PoE IEEE 802.3af compliance, total 60W
- 1-port RJ45 for 10/100/1000 base-T

Standard Compliance

- IEEE 802.3 for 10BaseT Ethernet
- IEEE 802.3u for 100BaseT(X) Fast Ethernet
- IEEE 802.3ab for 1000BaseT(X) Gigabit Ethernet
- IEEE 802.3x for flow control
- IEEE 802.3af Power Over Ethernet

I/O Interface

- Power: 1 x 9 ~ 36VDC input with ignition
- Ethernet
 - 4 x RJ45 10/100/1000 Mbps PoE port, 802.3af compliance
- 1 x RJ45 10/100/1000 Mbps • LED
- 1 x power indicator
- 4 x PoE indicator
- 1 x low voltage protection indicator

Power Management

- Selectable boot-up & shut-down voltage for low power protection by Dip switch
- Power on/ off delay time setting by Dip switch

Dimensions

- 167 x 51.49 x 139.6 mm (65.75" x 20.27" x 54.96")
- Weight: 1kg
- Support Horizontal Mounting, DIN- Rail Mounting (option) and vertical Mounting (option)

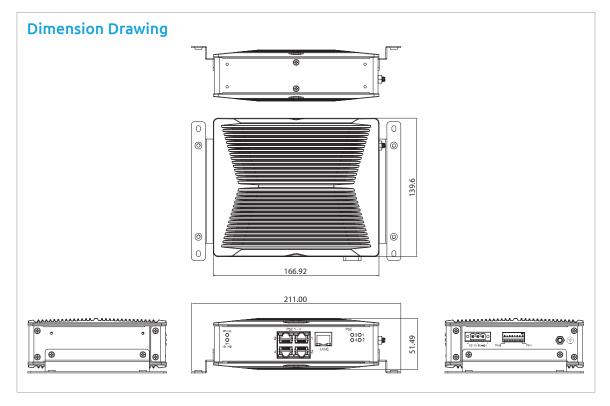
Vehicle Network Switch

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Environment

- Operating temperatures: Ambient with air -30°C to 70°C
- Storage temperatures: -35°C to 85°C
- Relative humidity: 10% to 90% (non-condensing)
- Vibration (random): 1g@5~500 Hz
- Vibration:

Operating: MIL-STD-810G, Method 514.6, Category 4, common carrier US highway truck vibration exposure

Storage: MIL-STD-810G, Method 514.6, Category 24, minimum integrity test

Shock:

Operating: MIL-STD-810G, Method 516.6, Procedure I, functional shock=20g

Non-Operating: MIL-STD-810G, Method 516.6, Procedure V, crash hazard shock test=75g

Standards/Certifications

- CE approval
- FCC Class B
- E13 Mark

Ordering Information

 VES30-45 (P/N: 10VE0003000X0) 4 x RJ45 10/100/1000 PoE port (802.3af), 1 x RJ45 10/100/1000 Ethernet port, 9 ~ 36VDC input, ignition detection, low voltage protection, delay timer, E13 mark

We reserve the right to change specifications and product descriptions at any time without prior notice.

Vehicle Network Switch Last update: 07/27/2018



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