

Model: UT-6516

(Product Name: 16-port 100Mbps Unmanaged Ethernet Switch)

Datasheet



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1. Overview

The UT-6516 is a 16-port 100Mbps unmanaged Ethernet switch, providing DC input reverse connection protection to prevent instrument burnout. With a compact design, it supports industrial standard DIN-rail installation, making it easy to deploy in any industrial network.

2. Major Functions & Features

- Supports full-duplex or half-duplex mode with automatic negotiation capability
- 10/100/1000Mbps auto-adaptation
- Auto MDI/MDI-X on all ports, eliminating the need for manual operation
- Plug and play for convenient use
- Wide operating temperature range: -20° C to 70° C
- Wide voltage input: 12/24/48VDC (10.8~52.8VDC), with reverse connection protection

3. Technical parameters

Standards

IEEE 802.3 10Base-T

IEEE 802.3u 100Base-TX

Interfaces

RJ45 Ports: 16 ports of 10/100Base-TX, auto-detect, full/half duplex MDI/MDI-X adaptive

LED Indicators: PWR power indicator, network indicator

Power Requirements

Input Voltage: 12/24/48VDC (10.8~52.8VDC)

Power Consumption: 100mA@24Vmax

Interface Terminal: 1 pluggable 3-pin terminal

Overload Protection: Available

Reverse Connection Protection: Available

Switching Performance

Forwarding Rate: 148,810pps

Transmission Mode: Store-and-forward

MAC Address Space: 8K

Buffer Space: 2Mb

Backplane Bandwidth: 3.2G

Mechanical Characteristics

Enclosure: IP40 protection rating

Installation: DIN-rail installation

Dimensions (W x H x D): 100mm x 85mm x 40mm

Package Dimensions

250mm x 205mm x 55mm

Weight: 900g

Operating Environment

Operating Temperature: -20° C to 75° C

Storage Temperature: -40° C to 85° C

Relative Humidity: 0 to 95% (non-condensing)

Industry Standards

EMI: FCC Part 15 Subpart B classA, EN55022 class A

EMS:

IEC(EN)61000-4-2(ESD)

IEC(EN)61000-4-3(RS)

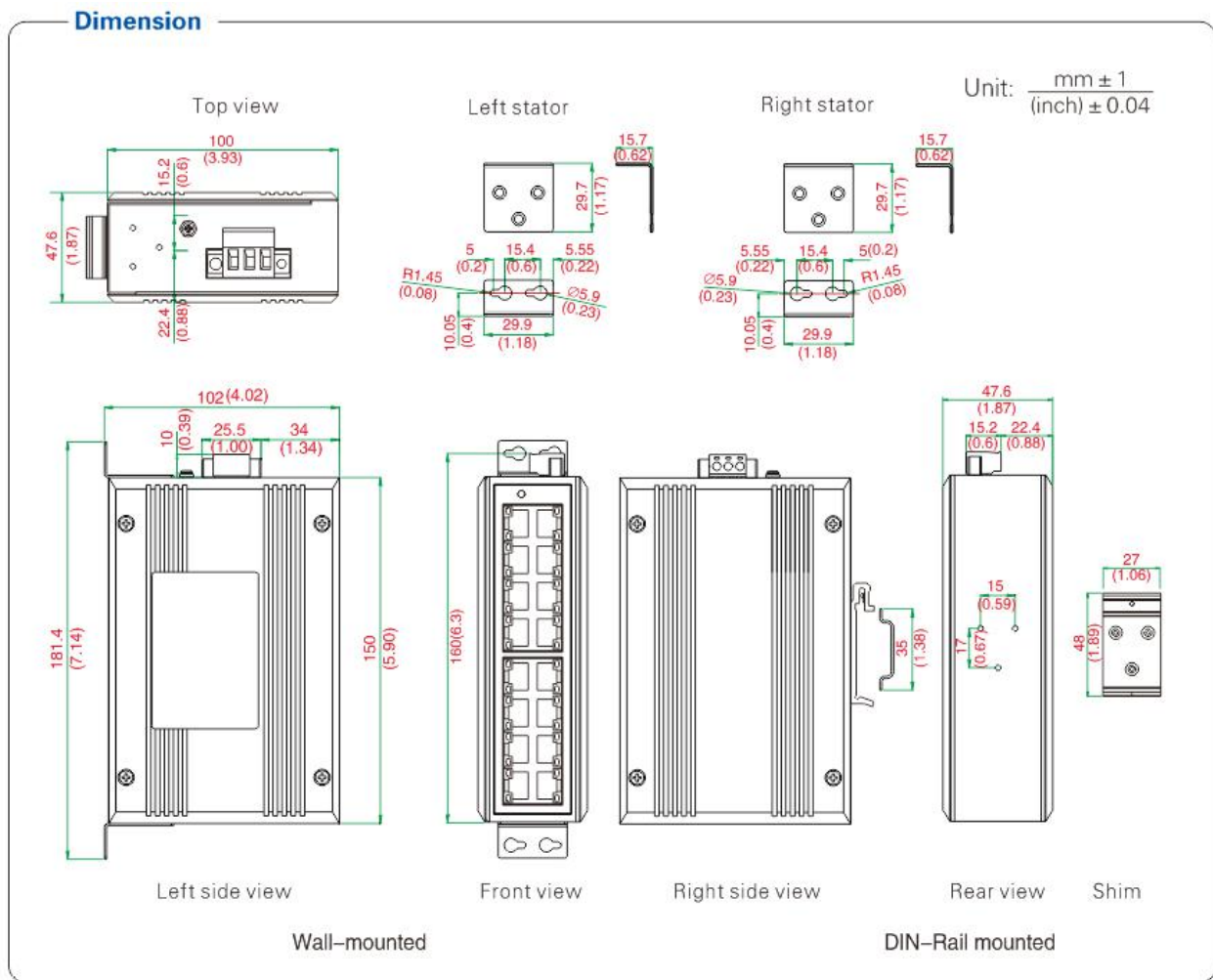
IEC(EN)61000-4-4(EFT)

IEC(EN)61000-4-5(Surge)

IEC(EN)61000-4-6(CS)

4. Appearance

5. Structure dimensions



6. Orderings

Model	Ports
	10/100Base-T(X)
UT-6516	16 ports