

## Model: UT-60028GC-24GT4GB

(Product Name: 28-port unmanaged gigabit ethernet switch)

# User Manual



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## 1. Overview

UT-60028GC-24GT4GB is a non-managed full Gigabit industrial Ethernet switch. This series of switches supports up to 28 Gigabit interfaces, including 4 Ethernet ports and 4 SFP ports that can function as Uplinks. It supports one-key VLAN and two groups of CCTV, implements port isolation and flexible forced 10M communication extension function for two groups of ports (P1-P16, P17-24). The switch adopts low-power and fanless design to ensure no noise interference and also supports  $-40\sim 85^{\circ}\text{C}$  operating temperature range and good EMC electromagnetic compatibility performance, ensuring stable operation in harsh industrial environments. It provides a safe and reliable solution for building fast and stable network terminal access networks in industrial application fields such as factory automation, intelligent transportation, and video surveillance.

## 2. Major Functions & Features

- Supports up to 28 network interfaces, including 4 ethernet ports and 4 SFP ports that function as Uplink through multiplexed ports.
- Ethernet ports support full/half duplex and MDI/MDI-X adaptive functions.
- Supports store-and-forward switching mode.
- Supports level 4 electrostatic and surge protection.
- Designed to operate in a wide temperature range of  $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$ .
- Non-blocking, fully linear forwarding, effectively reducing network latency.
- Industrial protection level IP40, fanless design, low power consumption.
- Supports one-click VLAN and CCTV functions.

## 3. Technical parameters

### Standards

IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x

### Interfaces

Fiber interface: 1000Base-X port (SFP slot)

RJ45 interface: 10/100/1000Base-T port, MDI/MDI-X adaptive

### LED indicators

Power indicator, network indicator, RJ45 indicator

Transmission distance:

Category 5e twisted pair cable: 100m

### Fiber jumper

Single-mode: 1310nm 20/40/60Km, 1550nm 80/100/120Km

Multi-mode: 1310nm 2Km

### Switching performance

Transmission mode: store-and-forward

MAC address space: 8K

Cache space: 4.1Mbit

Backplane bandwidth: 56G

Maximum frame length: 10KB

### Power requirements

Input voltage: 110/220VAC(88~264VAC)/50-60Hz

This device uses single power input and can choose dual power redundancy input.

**Power consumption**

Rated power of the device is 26W

**Mechanical characteristics**

Enclosure: IP40 protection level

Weight: no more than 3000g

Installation method: rack-mounted installation

Mechanical dimensions

Size(W×H×D): 440mm×44mm×295mm

**Working environment**

Operating temperature: -40℃~85℃

Storage temperature: -40℃~85℃

Relative humidity: 0~95% (no condensation)

**Industry standards**

EMI:

FCC Part 15, CISPR (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)

IEC (EN) 61000-4-8

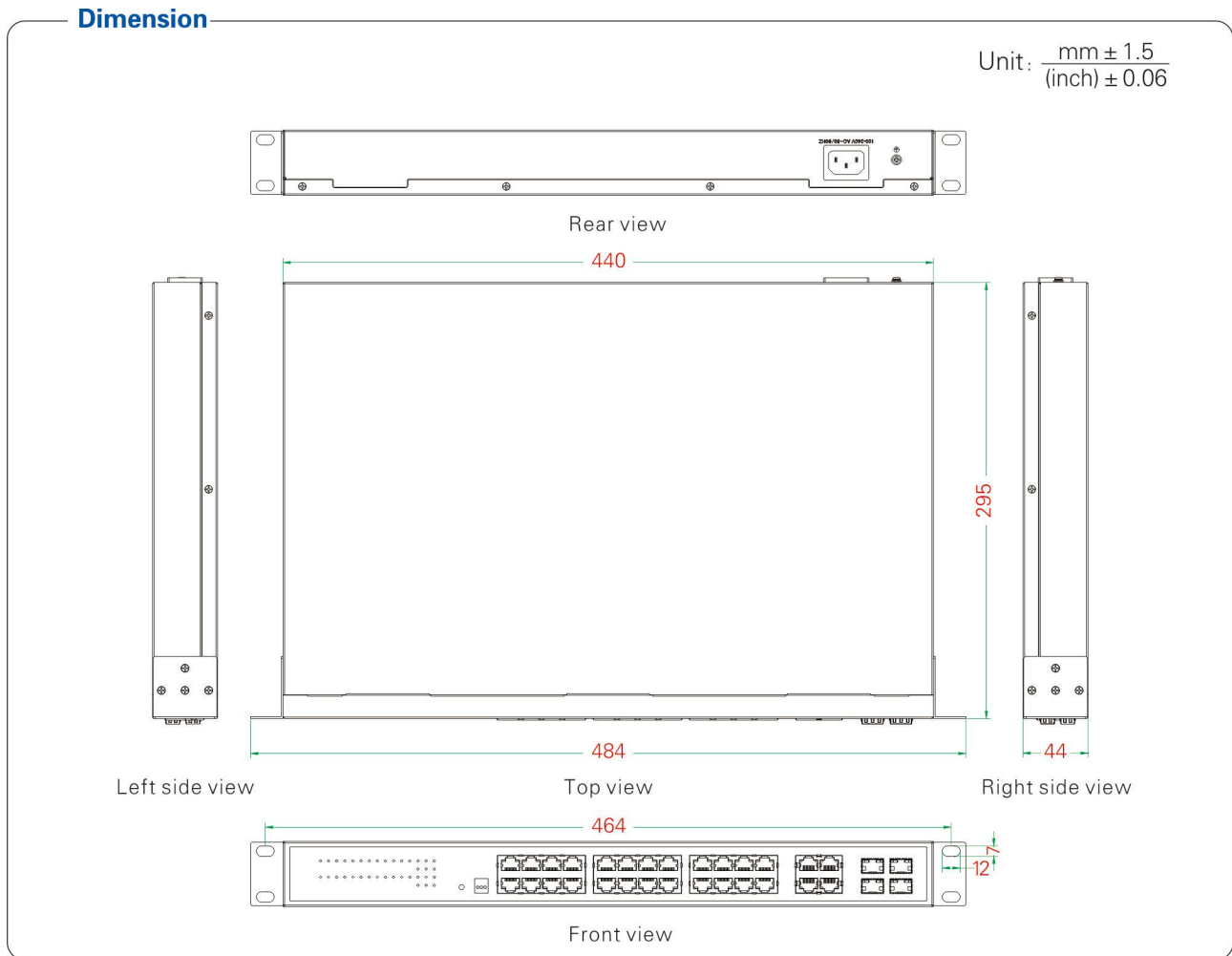
IEC 60068-2-27 (Shock)

IEC 60068-2-32 (Freefall)

## 4. Appearance



## 5. Structure dimensions



## 6. Orderings

Model	Combo	Interface description		Optical port type
	1000M Combo	1000Base-X	10/100/1000Base-T	1000Base-X
UT-60028GC-24GT4GB-RNA	4	4	24	SFP slot
UT-60028GC-24GT4GB-RND	4	4	24	SFP slot

**Note:**

The "A" in the suffix "RNA" of the product represents single power input of 110/220VAC (88~264VAC); if the suffix is "RND", then the "D" in "RND" represents dual power input of 110/220VAC (88~264VAC).