

Rackmount managed Industrial Ethernet Switch



UT-62424F Series

24+4G Gigabit Managed Ethernet Switch



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- Supports multiple combination for Ethernet ports and fiber ports
- Supports IGMP Snooping filter multicast packet
- Supports Port-based VLAN, IEEE 802.1Q VLAN and GVRP
- Supports QoS (IEEE 802.1p/1Q) and TOS/ DiffServ
- Supports STP/RSTP and MSTP, SNMPv1/v2/v3
- Adopts RMON to improve network monitor and forecast ability
- Supports UT-ring, single ring and intersect ring
- Support port mirroring, convenient for online debug
- Supports port transmission rate limitation, broadcast/ multicast/ unknown unicast storm suppression
- Supports power, port, UT-ring abnormal status relay output alarm
- Operating temperature: -40~85 °C



OVERVIEW

The UT-62424F series is a high-performance managed industrial Ethernet switch that can be combined with Ethernet and fiber interfaces for up to 28 interfaces, including uplink 4 Gigabit interfaces, to enhance the flexibility of designing networks and applications. These switches support various Layer 2 software features such as port mirroring, VLAN, IGMP Snooping, QoS, STP/RSTP and a series of practical management methods such as Console, Telnet, Web, SNMP and relay output alarm, etc., which are more suited for industrial applications such as factory automation, intelligent transportation and video surveillance. It provides a safe and reliable solution to build a fast and stable terminal access network for above industrial applications.

SPECIFICATION

Protocol Standards

Standards: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1x
 Protocol: ICMP, TCP, HTTP, HTTPS, Telnet, STP/RSTP, SNMP LLDP, IGMP-Snooping, GMRP
 Flow control: IEEE802.3x flow control, back pressure flow control.

Interfaces

Fiber interfaces: 100Base-FX (SC/FC/ST)
 1000Base-X (SC/FC/ST/SFP slot)
 RJ45 interfaces: 10/100Base-T(X), 10/100/1000Base-T, auto MDI/MDI-X

LED indication light:

Power indication light, network indication, RJ45 indication light, Alarm indication light, Running indication light.

Transmission Distance

Cat.5e: 100m
 Patch cord
 Single-mode: 1310nm 20/40/60Km
 1550nm 80/100/120Km
 Multi-mode: 1310nm 2Km

Switching Performance

Forwarding rate
 100M: 148810pps
 1000M: 1488095pps
 Transmission mode: store and forward
 MAC address size: 8K
 Cache size: 3Mb
 Backplane bandwidth: 12.8G
 Max. frame length: 2KB

Power Requirement

Voltage input: 110/220VAC(88~264VAC)/50-60Hz or
110/220VDC(88~264VDC)

It adopts single power input, with optional dual power redundant input

Power Consumption

Rated power: 30W

Mechanical Characteristics

IP protection level: IP40

Weight: <4440g

Installation: Rackmount

Mechanical Dimension

Dimension (W x H x D): 440mm x 44mm x 315mm

Package dimension: 530mm x 108mm x 390mm

Operating Environment

Operating temperature: -40 ~ 85 °C

Storage temperature: -40 ~ 85 °C

Relative humidity: 0~95% (non-condensing)

Industrial 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)

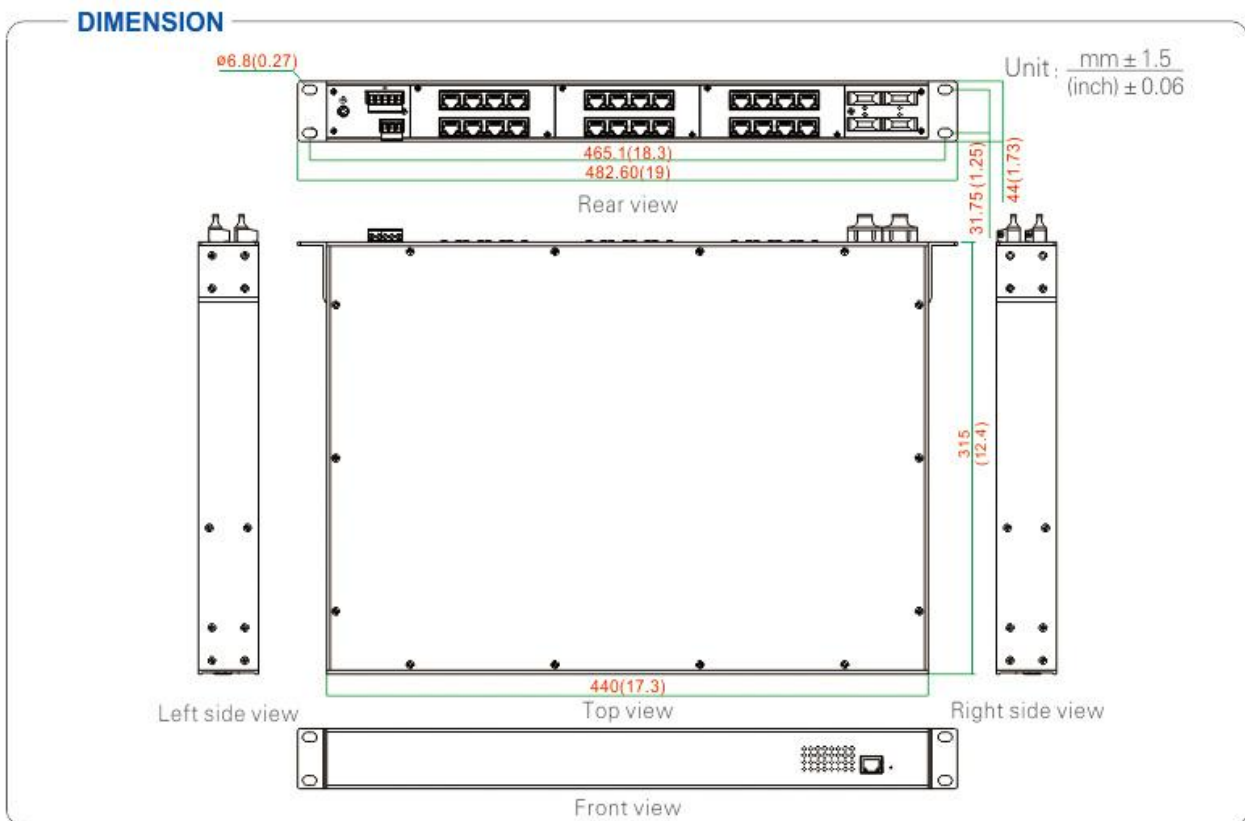
IEC(EN)61000-4-5(Surge)

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

IEC(EN)61000-4-8

IEC60068-2-27(Shock)

IEC 60068-2-32(Freefall)



ORDERING

Product Model	Port Description			Fiber Port	
	100Base-FX	1000Base-X	10/100Base-T(X)	100Base-FX	1000Base-X
UT-62424F-8T8SC-BNA	8	-	8	SC port	-
UT-62424F-16T-BNA	-	-	16	-	-
UT-62424F-24T-BNA	-	-	24	-	-
UT-62424F-16T2SC-BNA	2	-	16	SC port	-
UT-62424F-16T4SC-BNA	4	-	16	SC port	-
UT-62424F-16T8SC-BNA	8	-	16	SC port	-
UT-62424F-4T20SC-BNA	20	-	4	SC port	-
UT-62424F-4T24SC-BNA	24	-	4	SC port	-
UT-62424F-24T2SC-BNA	2	-	24	SC port	-
UT-62424F-24T4SC-BNA	4	-	24	SC port	-
UT-62424F-8T16SC-BNA	16	-	8	SC port	-
UT-62424F-16T-2GSC-BNA	-	2	16	-	SC port
UT-62424F-16T-4GSC-BNA	-	4	16	-	SC port
UT-62424F-20T-4GSC	-	4	20	-	SC port
UT-62424F-24T-2GSC-BNA	-	2	24	-	SC port
UT-62424F-24T-4GSC-BNA	-	4	24	-	SC port
UT-62424F-16T-4GP-BNA	-	4	16	-	SFP slot
UT-62424F-24T-4GP-BNA	-	4	24	-	SFP slot

Remarks:

- 1.The default optical port type of the above products is single-mode dual-fiber SC interface/SFP slot, and optional ST/FC interface.
- 2.The suffix "F" in "BNF" means 12/24/48VDC 10.8~52.8VDC power input;The suffix "D" in "BND"means 110/220VAC/DC 88~264VAC/DC dual power input.