

## Gigabit 10-port Industrial Ethernet Switch



**UT-N60N28G-SFP**



### **UTEK TECHNOLOGY (SHENZHEN) CO., LTD.**

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- Adopt high quality optoelectronic integrated modules to provide good optical and electrical characteristics
- Ensure reliable data transmission and long lifecycle
- Support full-duplex or half-duplex mode with auto-negotiation capability
- Network port supports fully automatic cross-identification
- Storage and forwarding mechanism is built-in and supports multiple protocols
- Compliant with industrial-grade operation standards, with an average trouble-free operation of more than 300,000 hours
- Working power supply: DC 12-52V with reverse connection protection
- Adopts SFP fiber optic interface
- Lightning surge protection (power supply): 5000A (8/20 μs)



## OVERVIEW

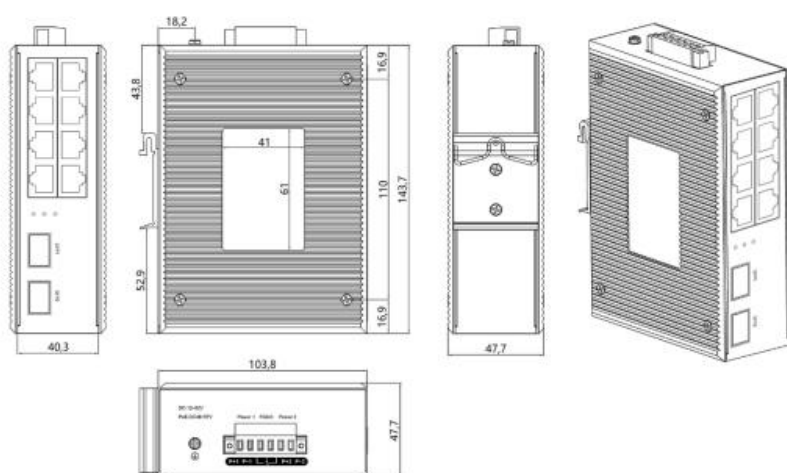
UT-N60N28G-SFP is an industrial Ethernet switch with 8 Gigabit electrical ports + 2 Gigabit FX ports, supporting 8 100Base-T/1000Base-TX electrical ports and 2 1000Base-X ports. The UT-N60N28G-SFP switch has an operating temperature of -40 ~ 80 °C and is super rugged to adapt to various harsh environments, and can also be easily placed in a compact control box. The mounting features of the rail, wide temperature operation, IP40 rated housing and LED indicators make the UT-N60N28G-SFP a plug-and-play industrial grade device that provides a reliable and convenient solution for networking Ethernet devices.

## SPECIFICATION

Item	UT-N60N28GP-SFP
Product Name	Gigabit 10-port Industrial Ethernet Switch
<b>Hardware Specification</b>	
<b>Interface</b>	
Interface description	8 Gigabit electrical ports + 2 Gigabit optical ports
RJ45 port	10/100/1000BaseT(X) auto-detection, full/half duplex MDI/MDI-X adaptive
Fiber port	1000BaseFX port (SC/FC/ST/SFP optional)
<b>LED Indicator Light</b>	
LED indicator light	Power indicator: PWR Interface indicator: Electric port, optical port (Link/ACT)
<b>Switching Performance</b>	
Forwarding rate	15Mpps
Transmission mode	Store-and-Forward
MAC address	8K
Buffer size	2Mbit
Backplane bandwidth	20G
Switching latency	<10μs
<b>Power Requirement</b>	
Input voltage	DC12 ~ 52V Dual power redundancy backup
Access terminal	Phoenix terminal

Power consumption	<8W
	Support dual power redundancy
	Support built-in overcurrent 4.0A protection
	Support reverse connection protection
<b>Operating Environment</b>	
Operating temperature	-40 ~ 80°C
Operating humidity	5 ~ 95%
Storage temperature	-40 ~ 85°C
Storage humidity	5 ~ 95% (no condensing)
<b>Mechanical Characteristic</b>	
Housing	IP40 protection level, metal housing
Dimension	143.7 x 103.8 x 47.7mm (W x D x H)
Weight	640g
Installation method	DIN rail/ wall-mounted
<b>Ethernet Standard</b>	
Standard	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u; 100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X;
Industry Standard	EMI : FCC Part 15 Subpart B Class A, EN 55022 Class A EMS : IEC(EN)61000-4-2(ESD) : ±8kV contact discharge, ±12kV air discharge IEC(EN)61000-4-3(RS) : 1 0V/m(80~1000MHz) IEC(EN)61000-4-4(EFT):Power line: ±2kV ; Data line: ±1kV IEC(EN)61000-4-5(Surge) : Network port : ±2kV CM//±1kV DM ; IEC(EN)61000-4-6(RF conduction) : 3V(10kHz~150kHz),10V(150kHz~80MHz) IEC(EN)61000-4-16(Common mode conduction) : 30V cont. 300V,1s IEC(EN )61000-4-8 Shock : IEC 60068-2-27 Freefall : IEC 60068-2-32 Vibration : IEC 60068-2-6

## Dimension



## ORDERING

Model	Description
UT-N60N28G-SFP	2 Gigabit optical + 8 Gigabit electrical, SFP interface (without optical module), DIN-rail, DC12-52V power supply - Wide temperature (-40°C-80°C) - CE-RoHS-FCC - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license