

## 12-port 10/100/1000BASE-TX+12 SFP Managed Industrial PoE Switch



**UT-N631212BGSP-SFP**



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- Support IGMP Snooping
- Support Port-based VLAN port, IEEE 802.1Q VLAN and GVRP protocol for easy network planning
- Support QoS (IEEE 802.1p/1Q) and TOS/DiffServ to increase network stability
- Support STP/RSTP/MSTP/ERPS, SNMPv1/v2/v3 to ensure network security
- Adopt RMON to enhance the prediction capability of network monitoring machine
- Support port mirroring function for online debugging
- Support port speed limit, broadcast storm suppression, multicast storm suppression, unknown unicast storm suppression
- Security management: Support ACL access control list, 802.1X, user hierarchy management
- Management function: Support WEB, CLI, SNMP management mode
- Monitoring and maintenance: Support port mirroring, interface status monitoring, log management
- Alarm function: Support power abnormal status relay output (optional)
- Support Bypass function (optional)



## OVERVIEW

UT-N631212BGSP-SFP is a managed industrial Ethernet POE switch, which complies with FCC, CE and ROHS standards. It supports 12 Gigabit optical ports and 12 Gigabit POE electrical ports, and supports one way console port; it supports Ethernet Layer 2 protocols required by industrial sites to ensure the stability of communication networks; the series switches adopt low power consumption and fanless design to ensure no noise interference, and support -40~80°C operating temperature and good EMC electromagnetic compatibility performance to ensure stable operation in harsh industrial environments. It provides a safe and reliable solution to build a fast and stable network terminal access network for industrial applications such as factory automation, intelligent transportation and video surveillance.

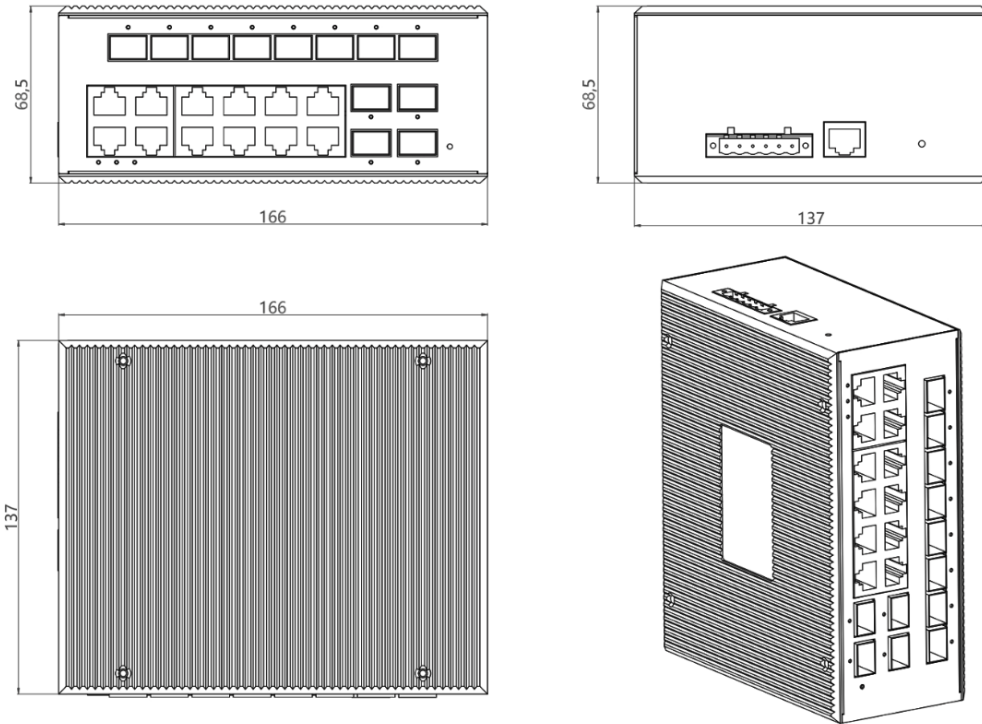
## SPECIFICATION

Item	UT-N631212BGSP-SFP
Product Name	Managed 20-port Industrial Ethernet POE Switch
<b>Hardware Specification</b>	
<b>Interface</b>	
Interface description	12 RJ45 ports +12 fiber optic interfaces
RJ45 port	Auto-10/100/1000M, full/half duplex MDI/MDI-X adaptive
Fiber optic interface	1000Base FX port (SFP slot)
<b>LED Indicator Light</b>	
LED indicator light	Power indicator: PWR Interface indicator: electrical port, optical port (Link/ACT)

Switching Performance	
Forwarding rate	78Mpps
Transmission mode	Store-and-Forward
MAC address	8K
Buffer size	16Mbit
Backplane bandwidth	106G
Switching latency	<5μs
Power Requirement	
Input voltage	DC48-57V(Dual power redundancy backup)
Power consumption	<20W
Access terminal	Phoenix terminal
	Support dual power redundancy
	Support built-in overcurrent 4.0A protection
	Support reverse connection protection
Operating Environment	
Operating temperature	-40 ~ 80°C
Operating humidity	5 ~ 95%
Storage temperature	-40 ~ 85°C
Storage humidity	5 ~ 95% (no condensing)
Mechanical Characteristic	
Housing	IP40 protection level, Metal housing
Dimension	165×135×68mm (W x D x H)
Weight	1250g
Installation method	DIN rail/ wall-mounted
Switching Function	
	Support port speed limit Support port aggregation Support port flow control
	Support port VLAN, IEEE 802.1Q, VLAN
	Support broadcast storm suppression
	Support optical port 100M, Support motherboard optical port extension 2.5G
	Support static route, Support IPv6 management
Ethernet Standard	
Standard	IEEE802.3-10BaseT, IEEE802.3u-100BaseTX/100Base-FX, IEEE802.3x-Flow Control, IEEE802.3z-1000BaseLX, IEEE802.3ab-1000BaseTX, IEEE802.1ab Logical Link Discovery Protocol, IEEE802.1D-Spanning Tree Protocol, IEEE802.1w-Rapid Spanning Tree Protoco, ITU-T G.8032, IEEE802.1Q -VLAN Tagging, IEEE802.1p -Class of Service, IEEE802.1X-Port Based Network Access Control, IEEE802.3af/at, etc.
POE standard	Standard PoE : IEEE802.3af/ IEEE802.3at PoE ports : 1-12 ports support PoE PoE port maximum power: 30W PoE power supply pins: 1, 2, 3, 6
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) : 10V/m(80~1000MHz) IEC(EN)61000-4-4(EFT) : Network port : ±4kV CM//±2kV DM ; IEC(EN)61000-4-5(Surge) : Network port : ±4kV CM//±2kV 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
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