

**L2+ Industrial 4-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Ethernet Switch**

## Features

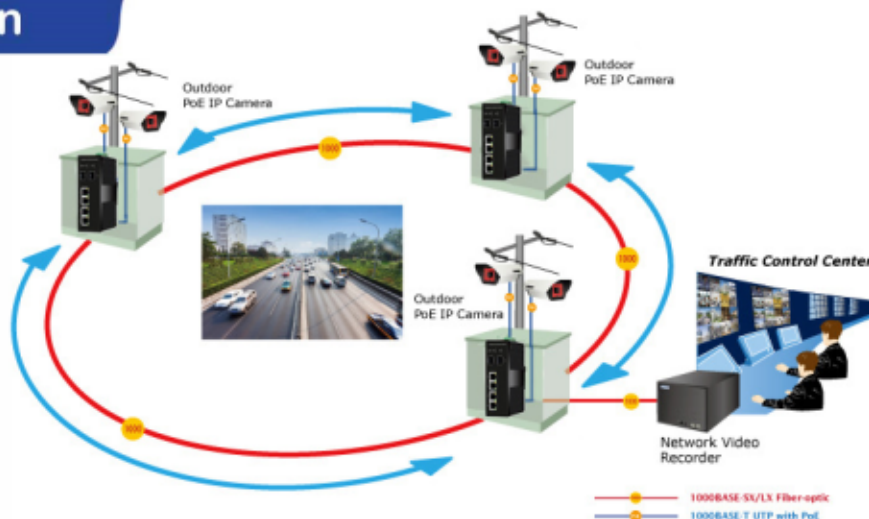
- ▶ 4x10/100/1000Base-T PoE+ ports, 2x100/1000Base-X SFP ports
- ▶ 100/1000BASE-X mini-GBIC/SFP slots for SFP type auto detection
- ▶ Provide SC/FC/ST/LC fiber port (optional), support single/dual fiber transmission
- ▶ Support 10K bytes giant frame, compatible with various extension protocol
- ▶ Support IEEE802.3az energy efficient Ethernet technology, 8K MAC address table
- ▶ IPv6 Protocol, Electric 4KV surge protection
- ▶ Power input polarity protection design, no worry about wrong operation
- ▶ Aluminum case, no fan design
- ▶ Installation method: DIN rail /Wall mounting
- ▶ DHCP RFC 1541, 1542



## Overview

The [17990] switch is an industrial Managed switch with 4-Port 10/100/1000BASE-T 802.3at PoE+ and 2-Port 100/1000Base-X SFP. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high stability, and easy to maintain. With dual power input design, UF-MIES204GP-SFP can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 80° C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

## Application



## Specifications

<b>Physical Port</b>	
RJ45 port and speed	4x10/100/1000BASE-T 802.3at PoE
Fiber port and speed	2x100/1000BASE-X SFP (Dual Mode, Auto Detection)
Console	1 x RJ45-to-RS232 serial port (115200, 8, N, 1)
<b>Parameters</b>	
Ethernet standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3x flow control and back pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3ad port trunk with LACP IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1s Multiple Spanning Tree Protocol IEEE 802.1p Class of Service IEEE 802.1Q VLAN tagging IEEE 802.1ad Q-in-Q VLAN stacking IEEE 802.1x Port Authentication Network Control IEEE 802.1ab LLDP ITU G.8032 ERPS Ring RFC 768 UDP RFC 793 TFTP RFC 791 IP RFC 792 ICMP RFC 2068 HTTP RFC 1112 IGMP v1 RFC 2236 IGMP v2
Packet buffer	4Mbits
Packet length	Up to 10K Bytes
MAC address table	8K
Transmission mode	Store and Forward (full/half duplex mode)
Switch Fabric	24Gbps/non-blocking
Exchange property	Delay time: < 7ps Backplane bandwidth: 12Gbps Packet forwarding rate: 8.93Mpps
<b>PoE</b>	
PoE Standard	4x IEEE 802.3af /IEEE 802.3at PoE
Power budget	Max. PoE output power budget 30W
Power Pin Assignment	1/2, 4/5(+); 3/6, 7/8(-) in default
<b>LED Indicator</b>	
Power	Connect-always

RJ45	Link/Act: connect-always; data exchange-twinkle Speed light: 100Mbps-always; 10Mbps-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
<b>Power Information</b>	
Power access mode	Phoenix terminal
Redundant power input	DC 48-57V
Overload protection	Yes
Power reverse	Support
Power consumption	Full-load<15W (Not use PoE)
<b>Physical Property</b>	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	138mm x 106mm x 41mm (L x W x H)
Installation mode	DIN rail/wall-mountable
Weight	700g
<b>Working Environment</b>	
Operating Temperature	-40℃~80℃
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40℃~80℃
<b>Warranty</b>	
MTBF	500,000 hours
Defects Liability Period	5-year warranty, lifetime technical support
<b>Certification Standard</b>	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1
<b>Software</b>	
<b>Software Features</b>	Redundant network: STP/RSTP
	Multicast: IGMP Snooping V1/V2
	VLAN: IEEE 802.1Q 4K VLAN, QINQ
	Link Aggregation: manual
	Management Function: CLI/WEB/SNMP
	Diagnostic Maintenance: Port mirroring, Ping
	Alarm management: 1 way relay alarm output, RMON, SNMP Trap
Security: DHCP Snooping, User hierarchical management	

Data control Port-based ingress/egress speed limit, Full duplex IEEE 802.3x, half duplex back-pressure flow control.  
Broadcast storm suppression, Unknown-Multicast suppression and Unknown-Unicast suppression

## Order Information

Model	Description
UF-MIES204GP-SFP	L2+ Industrial 4-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Ethernet Switch
UF-MIES204GP	L2+ Industrial 4-Port 10/100/1000T 802.3at PoE + 2-Port 1000X SC Managed Ethernet Switch, Multimode, Dual Fiber, 550 meters
UF-MIES204GP-20	L2+ Industrial 4-Port 10/100/1000T 802.3at PoE + 2-Port 1000X SC Managed Ethernet Switch, Single Mode, Dual Fiber, 20KM
UF-MIES204GPS-20	L2+ Industrial 4-Port 10/100/1000T 802.3at PoE + 2-Port 1000X SC Managed Ethernet Switch, Single Mode, Single Fiber, 20KM
SFP Options	<ul style="list-style-type: none"> <li>▶ SFP option. Please select your SFP on our SFP Options Page (Industrial SFP).</li> <li>▶ SFP module is to be purchased separately.</li> </ul>
Mounting Options	<ul style="list-style-type: none"> <li>▶ Default DIN-Rail Bracket installed; Wall Mount Bracket is included.</li> </ul>
Power Options	<ul style="list-style-type: none"> <li>▶ 120W/2.5A 48VDC DIN-Rail Power Supply. Open Wire for Terminal Block.</li> <li>▶ Power Supply is to be purchased separately.</li> </ul>

## Dimension

