

L2+ Industrial 4-Port 10/100/1000T + 2-Port 1000X SFP Managed Ethernet Switch [17953]

Features

- ▶ 4x10/100/1000Base-T ports, 2x1000Base-X SFP ports
- ▶ Support IEEE 802.3D/W/S standard and STP/RSTP protocol
- ▶ DIP Switch supports one-key VLAN and one-key Ring Management
- ▶ Support 10K bytes giant frame, compatible with various extension protocol
- ▶ Packet buffer up to 1Mbit, Switch Fabric up to 12Gbps
- ▶ Support IEEE802.3az energy efficient Ethernet technology
- ▶ IPv6 Protocol, Electric 8KV surge protection
- ▶ Power input polarity protection design, no worry about wrong operation
- ▶ IP40 Aluminum case, no fan design
- ▶ Installation method: DIN Rail /Wall mounting

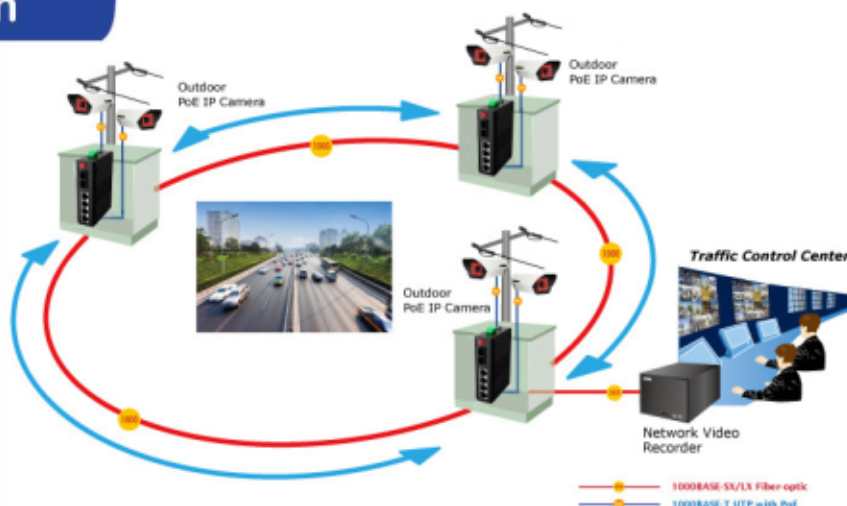


Overview

The [17953] Series is an industrial Managed switch with 4-Port 10/100/1000BASE-T and 2-Port 100/1000Base-X SFP. The industrial switch complies with IEEE 802.3D/W/S standard and STP/RSTP protocol. With dual power input design,

The [17953] 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

Physical Port	
RJ45 port and speed	4x10/100/1000BASE-T
Fiber port and speed	2x1000BASE-X SFP
Parameters	
Ethernet standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3x flow control and back pressure IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE802.3ah Ethernet in the first mile (EFM) IEEE 802.1x Port Authentication Network Control
Packet buffer	1Mbits
Packet length	Up to 10K Bytes
MAC address table	2K
Transmission mode	Store and Forward (full/half duplex mode)
Switch Fabric	12Gbps/non-blocking
Exchange property	Delay time: < 7ps Backplane bandwidth: 12Gbps Packet forwarding rate: 8.92Mpps
LED Indicator	
PWR	Power LED: connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle Speed light: 100Mbps-always; 10Mbps-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
RUN	Systems running LED
DIP Switch	
4-digit DIP switch	one-key VLAN and one-key Ring Management
Power Information	
Power access mode	Phoenix terminal
Redundant power input	DC 9-56V
Overload protection	Yes
Power reverse	Support
Power consumption	Full-load<10W
Physical Property	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	120mm x 90mm x 35mm (L x W x H)
Installation mode	DIN rail/wall-mountable
Weight	300g
Working Environment	
Operating Temperature	-40℃~80℃

Operating Humidity	5%~90% non-condensing
Storage Temperature	-40℃~80℃
Warranty	
MTBF	500,000 hours
Defects Liability Period	5-year warranty, lifetime technical support
Certification Standard	
EMI	FCC Part15 Subpart B Class A, CE-EMC/LVD, ROHS
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
Software	
Software Features	Redundant network: STP/RSTP
	Multicast: IGMP Snooping V1/V2/V3, Support GMRP
	VLAN: IEEE 802.1Q 4K VLAN
	QOS: Support COS, DSCP, 8 queues, support WRR, SP, WFQ scheduling mode, strategy QOS
	Management Function: WEB/DIP Switch
	Diagnostic Maintenance: Port mirroring, etc.

Dimension

