



Industrial Ethernet Switches

Realtek	-10°C-55°C	6KV/4KV Surge Protection	RTL POE Control Chipset	100% OEM/ODM		
Marvell	IP40 Protection	-40°C-75°C	6KV/4KV Surge Protection	No Blocking Structure	Fanless	50%Metal 50%Aluminum

- Unmanaged / Managed switches
- POE / None-POE
- 10/100/1000 Mbps
- IP40 protection, fanless design
- Test Report: CCC, RoHS, FCC, CE





5 Port 10/100 Mbps Unmanaged switches

Feature

- Input Voltage: DC 12-58V
- Operating Temperature: -30°C ~ +70°C
- IP40 protection, fanless design
- Test Report: CCC, RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100000 Hour

Description

This device is 5*10/100 Base-T Industrial Ethernet Switches. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments



Order no. XPTN-9000-45-5TXm

Provider Mode Ports

Fixed port	5*10/100 Base-T
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	P1/P2

Cable Type & Transmission Distance

Twisted-pair	0-100m (CAT5e,CAT6)
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Network Topology

Star topology	Support
Bus topology	Support
Tree topology	Support

Electrical Specifications

Input voltage	DC 12-58V
Power consumption	Support
Voltage Alarm	Support

Layer 2 Switching

Switching capacity	1 G
Packet forwarding rate	0.744 Mpps
MAC address table	2 K
Buffer	768 K
Forwarding delay	<5 us
MDX/MIDX	Support
Jumbo Frame	Support 2K Bytes
WatchDog	Support
Port Isolation	Support

Environment

Operating temperature	-30°C~+75°C
Storage temperature	-30°C~+75°C
Relative humidity	10 %~90% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Mechanical Dimensions

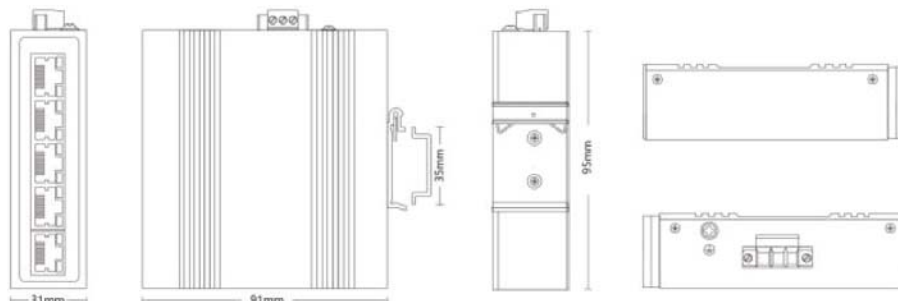
Product size	95*91*31 mm
Installation Method	DIN rail
Weight	0.3 KG

EMC & Ingress Protection

IP Level	IP40
Surge of Power	IEC 61000-4-5 Level (6KV/4KV)
Surge of Ethernet port	IEC 61000-4-5 Level (6KV/4KV)
RS	IEC 61000-4-3 Level 3
EFI	IEC 61000-4-4 Level 3
CS	IEC 61000-4-6 Level 3
PfMF	IEC 61000-4-8 Level 3
DIP	IIEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

EMC & Ingress Protection

Authentication	ICCC, CE, FCC, RoHS
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8 Port 10/100 Mbps Unmanaged switches

Feature

- Input Voltage: DC 12-58V
- Operating Temperature: -30°C ~ +70°C
- IP40 protection, fanless design
- Test Report: CCC, RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100000 Hour

Description

This device is 8*10/100 Base-T Industrial Ethernet Switches. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments



Order no. XPTN-9000-45-8TXm

Provider Mode Ports

Fixed port	8*10/100 Base-T
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	P1/P2

Cable Type & Transmission Distance

Twisted-pair	0-100m (CAT5e,CAT6)
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Network Topology

Star topology	Support
Bus topology	Support
Tree topology	Support

Electrical Specifications

Input voltage	DC 12-58V
Power consumption	Support
Voltage Alarm	Support

Layer 2 Switching

Switching capacity	1.8 G
Packet forwarding rate	1.33 Mpps
MAC address table	2 K
Buffer	512 K
Forwarding delay	<5 us
MDX/MIDX	Support
Jumbo Frame	Support 2048 Bytes
WatchDog	Support
Port Isolation	Support

Environment

Operating temperature	-30°C~+75°C
Storage temperature	-30°C~+75°C
Relative humidity	10 %~90% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Mechanical Dimensions

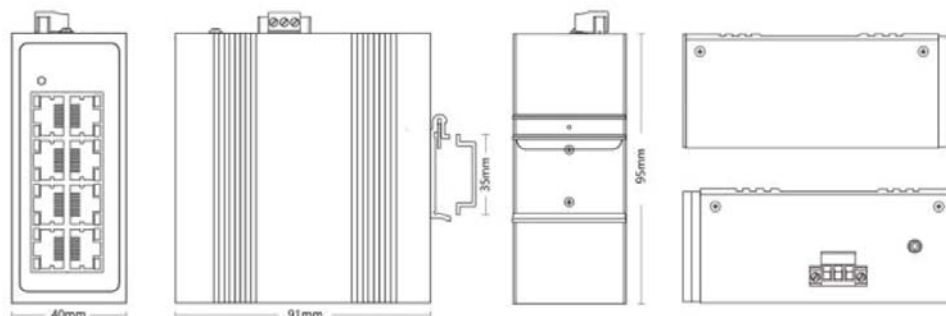
Product size	95*91*31 mm
Installation Method	DIN rail
Weight	0.37 KG

EMC & Ingress Protection

IP Level	IP40
Surge of Power	IEC 61000-4-5 Level (6KV/4KV)
Surge of Ethernet port	IEC 61000-4-5 Level (6KV/4KV)
RS	IEC 61000-4-3 Level 3
EFI	IEC 61000-4-4 Level 3
CS	IEC 61000-4-6 Level 3
PFMF	IEC 61000-4-8 Level 3
DIP	IIEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

EMC & Ingress Protection

Authentication	ICCC, CE, FCC, RoHS
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16 Port 10/100 Mbps Unmanaged switches

Feature

- Input Voltage: DC 12-58V
- Operating Temperature: -30°C ~ +70°C
- IP40 protection, fanless design
- Test Report: CCC, RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100000 Hour

Description

This device is 1*10/100 Base-T Industrial Ethernet Switch. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality. With high temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. It can meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.



Order no. XPTN-9000-45-16XT

Provider Mode Ports

Fixed port	1*10/100 Base-T
Power interface	Phoenix terminal, redundant dual power supply (ED Indicators)
	P1/P2

Cable Type & Transmission Distance

Twisted-pair	0-100m (CAT5e, CAT6)
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Network Topology

Star topology	Support
Bus topology	Support
Tree topology	Support

Electrical Specifications

Input voltage	DC 12-58V
Power consumption	Support
Voltage Alarm	Support

Layer 2 Switching

Switching capacity	32 G
Packet forwarding rate	2K8 Mpps
MAC address table	8 K
Buffer	2M
Forwarding delay	<10 us
MDX/MDIX	Support
Jumbo Frame	Support 10K Bytes
WatchDog	Support
Port Isolation	Support

Environment

Operating temperature	-30°C~+75°C
Storage temperature	-30°C~+75°C
Relative humidity	10%~90% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Mechanical Dimensions

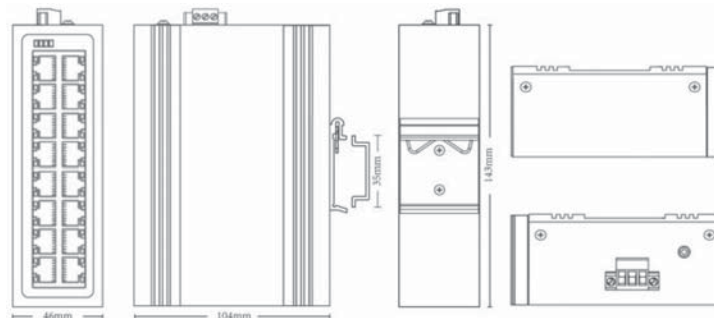
Product size	143X104X45 mm
Installation Method	DIN rail
Weight	0.5 KG

EMC & Ingress Protection

IP (level)	IP40
Surge of Power	IEC * 1000-4-5 (level 6 KV/KV)
Surge of Ethernet port	IEC * 1000-4-5 (level 6 KV/KV)
RS	IEC * 1000-4-3 (level 3)
EFI	IEC * 1000-4-4 (level 3)
CS	IEC * 1000-4-2 (level 3)
PFMF	IEC * 1000-4-8 (level 3)
DIP	IEC * 1000-4-11 (level 3)
ESD	IEC * 1000-4-2 (level 4)
Free fall	0.5m

EMC & Ingress Protection

Authentication	IEC, CE, FCC, RoHS
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5 Port 100/1000 Mbps Unmanaged switches Gigabit RJ45 Port

Feature

- Input Voltage: DC 12-58V
- Operating Temperature: -30°C ~ +70°C
- IP40 protection, fanless design
- Test Report: CCC, RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100000 Hour

Description

This device is 5*100/1000 Base-T Industrial Ethernet Switches. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments



Order no. XPTN-9000-45-5GX

Provider Mode Ports

Fixed port	5*100/1000 Base-T Gigabit RJ45 Port
Power interface	Phoenix terminal, redundant dual power supply
6ED Indicators	P1/P2

Cable Type & Transmission Distance

Twisted-pair	0-100m CAT5e, CAT6
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Network Topology

Star topology	Support
Bus topology	Support
Tree topology	Support

Electrical Specifications

Input voltage	DC 12-58V
Power consumption	Support
Voltage Alarm	Support

Layer 2 Switching

Switching capacity	14 L
Packet forwarding rate	10.41GMpps
MAC address table	8 K
Buffer	1 M
Forwarding delay	X5 us
MDJ/MIDJ	Support
Combo Frame	Support 10K Bytes
WatchDog	Support
Port Isolation	Support

Environment

Operating temperature	-30°C~+75°C
Storage temperature	-30°C~+75°C
Relative humidity	10%~90% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Mechanical Dimensions

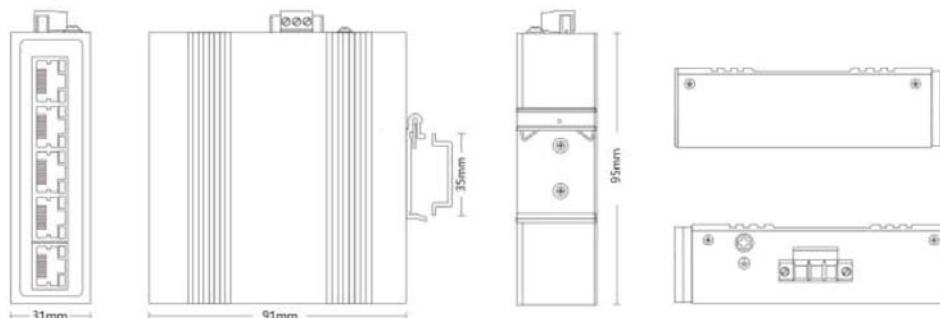
Product size	31*91*118mm
Installation Method	DIN rail
Weight	0.4 KL

EMC & Ingress Protection

IP level	IP40
Surge of Power	IEC G1000-4-5 level 3 1kV/4kV<
Surge of Ethernet port	IEC G1000-4-5 level 3 1kV/4kV<
RS	IEC G1000-4-3 level 3
EFI	IEC G1000-4-4 level 3
CS	IEC G1000-4-G6 level 3
PFMF	IEC G1000-4-8 level 3
DIP	IEC G1000-4-11 level 3
ESD	IEC G1000-4-2 level 4
Free fall	0.5m

EMC & Ingress Protection

Authentication	IEC, CE, FCC, RoHS
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8 Port 100/1000 Mbps Unmanaged switches Gigabit RJ45 Port

Feature

- Input Voltage: DC 12-58V
- Operating Temperature: -30°C ~ +70°C
- IP40 protection, fanless design
- Test Report: CCC, RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100000 Hour

Description

This device is 8*100/1000 Base-T Industrial Ethernet Switches. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments



Order no. XPTN-9000-45-8GX

Provider Mode Ports

Fixed port	8*100/1000 Base-T L igabit R(45 Port
Power interface	Phoenix terminal, redundant dual power supply
6ED Indicators	P1/P2

Cable Type & Transmission Distance

Twisted-pair	0-100m)CAT5e,CATG<
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Network Topology

Star topology	Support
Bus topology	Support
Tree topology	Support

Electrical Specifications

Input voltage	DC 12-58V
Power consumption	Support
Voltage Alarm	Support

Layer 2 Switching

Switching capacity	20 L
Packet forwarding rate	14.88 Mpps
MAC address table	1GK
Buffer	2M
Forwarding delay	X5 us
MDJ/MIDJ	Support
(umbo Frame	Support 10K Bytes
WatchDog	Support
Port Isolation	Support

Environment

Operating temperature	-30°C~+75°C
Storage temperature	-30°C~+75°C
Relative humidity	10 %~90% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Mechanical Dimensions

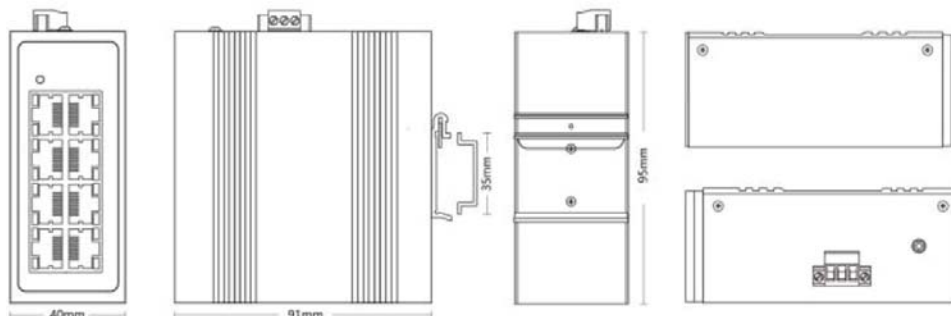
Product size	4GJ 104J 143mm
Installation Method	DIN rail
Weight	0.5 KL

EMC & Ingress Protection

IP 6evel	IP40
Surge of Power	IEC G1000-4-5 6evel)GKV/4KV<
Surge of Ethernet port	IEC G1000-4-5 6evel)GKV/4KV<
RS	IEC G1000-4-3 6evel 3
EFI	IEC G1000-4-4 6evel 3
CS	IEC G1000-4-G6evel 3
PFMF	IEC G1000-4-8 6evel 3
DIP	IIEC G1000-4-11 6evel 3
ESD	IEC G1000-4-2 6evel 4
Free fall	0.5m

EMC & Ingress Protection

Authentication	ICCC, CE, FCC, RoHS
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16 Port 100/1000 Mbps Unmanaged switches Gigabit RJ45 Port

Feature

- Input Voltage: DC 12-58V
- Operating Temperature: -30°C ~ +70°C
- IP40 protection, fanless design
- Test Report: CCC, RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100000 Hour

Description

This device is 1*100/1000 Base-T Industrial Ethernet Switch. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality. With high temperature resistance and lightning protection, and enhances the reliability and safety of industrial network. It can meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.



Order no. XPTN-9000-45-16GX

Provider Mode Ports

Fixed port	1*100/1000 Base-T Gigabit RJ45 Port
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	P1/P2

Cable Type & Transmission Distance

Twisted-pair	0-100m CAT5e, CAT6
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Network Topology

Star topology	Support
Bus topology	Support
Tree topology	Support

Electrical Specifications

Input voltage	DC 12-58V
Power consumption	Support
Voltage Alarm	Support

Layer 2 Switching

Switching capacity	32 Gbps
Packet forwarding rate	238 Mpps
MAC address table	8 K
Buffer	2M
Forwarding delay	<5 us
MDI/MDIX	Support
6umLo Frame	Support 10K Bbtes
WatchDog	Support
Port Isolation	Support

Environment

Operating temperature	-30°C~+75°C
Storage temperature	-30°C~+75°C
Relative humidity	10%~90% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Mechanical Dimensions

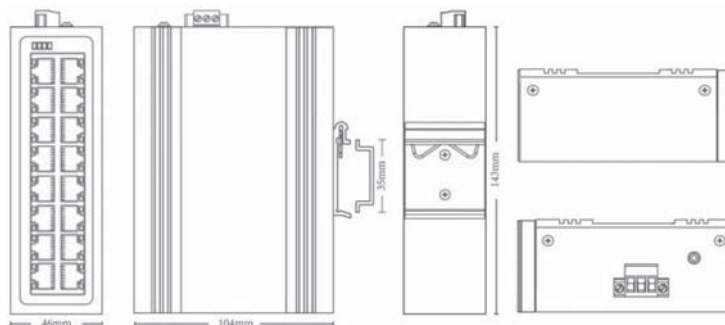
Product size	143J104J4* mm
Installation Method	DIN rail
Weight	0.6 Kg

EMC & Ingress Protection

IP level	IP40
Surge of Power	IEC 61000-4-5 level 3 KV/4KV<
Surge of Ethernet port	IEC 61000-4-5 level 3 KV/4KV<
RS	IEC 61000-4-3 level 3
EFI	IEC 61000-4-4 level 3
CS	IEC 61000-4-2 level 3
PFMF	IEC 61000-4-8 level 3
DIP	IEC 61000-4-11 level 3
ESD	IEC 61000-4-2 level 4
Free fall	0.6m

EMC & Ingress Protection

Authentication	IEC, CE, FCC, RoHS
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