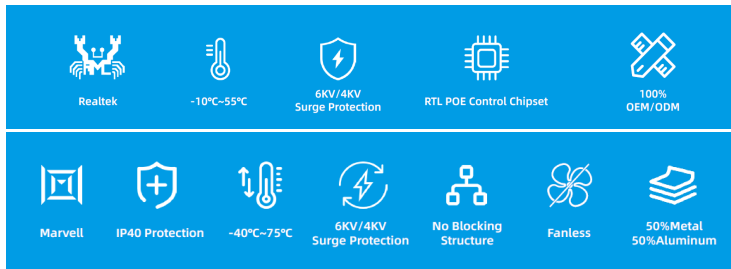


# Industrial Ethernet Switches

## Managed & Unmanaged switches



- 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)
--------------	---------------------

### 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

### EMC & Ingress Protection

Authentication	ICCC, CE, FCC, RoHS
----------------	---------------------

# Unmanaged switches

## 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)
--------------	---------------------

### 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

### EMC & Ingress Protection

Authentication	IEC 61000-4-5 Level (6KV/4KV)
----------------	-------------------------------

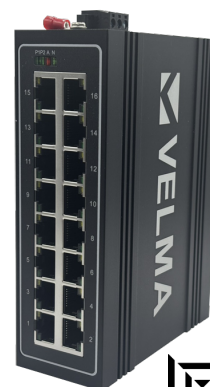
## 16 Port 10/100 Mbps Unmanaged switches

### 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 16\*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-9000-45-16TX

### Provider Mode Ports

Fixed port	16*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)
--------------	---------------------

### 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	2.38 Mpps
MAC address table	8 K
Buffer	2M
Forwarding delay	<10 us
MDX/MIDX	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	143X104X46 mm
Installation Method	DIN rail
Weight	0.5 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

### EMC & Ingress Protection

Authentication	IEC 61000-4-5 Level (6KV/4KV)
----------------	-------------------------------

## Unmanaged switches

### 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-9000-45-5GT

#### Provider Mode Ports

Fixed port	5*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)
--------------	---------------------

#### 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 G
Packet forwarding rate	10.416 Mpps
MAC address table	8 K
Buffer	1 M
Forwarding delay	<5 us
MDX/MIDX	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	31*91*118mm
Installation Method	DIN rail
Weight	0.4 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
----------------	---------------------

## 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-9000-45-8GT

### Provider Mode Ports

Fixed port	8*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)
--------------	---------------------

### 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 G
Packet forwarding rate	14.88 Mpps
MAC address table	16K
Buffer	2M
Forwarding delay	<5 us
MDX/MIDX	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	46X104X143mm
Installation Method	DIN rail
Weight	0.5 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

### EMC & Ingress Protection

Authentication	IEC 61000-4-5 Level (6KV/4KV)
----------------	-------------------------------

# Unmanaged switches

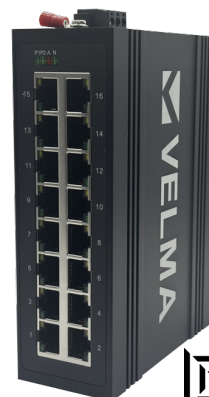
## 16 Port 100/1000 Mbps Unmanaged switches Gigabit RJ45 Port

### 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 16\*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-9000-45-16GT

### Provider Mode Ports

Fixed port	16*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)
--------------	---------------------

### 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	23.8 Mpps
MAC address table	8 K
Buffer	2M
Forwarding delay	<5 us
MDX/MIDX	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	143X104X46mm
Installation Method	DIN rail
Weight	0.5 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
----------------	---------------------



# Unmanaged Ethernet switches 10/100 Mbps Megabit POE

## Unmanaged switches

### 5 Port 10/100 Mbps Unmanaged switches POE

#### 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 POE. 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-9000-45-5TP

#### Provider Mode Ports

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

#### Cable Type & Transmission Distance

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

#### 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	31*91*118mm
Installation Method	DIN rail
Weight	0.4 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

#### EMC & Ingress Protection

Authentication	ICCC, CE, FCC, RoHS
----------------	---------------------

## 8 Port 10/100 Mbps Unmanaged switches POE

### 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 POE. 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-9000-45-8TP

### Provider Mode Ports

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

### Cable Type & Transmission Distance

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

### 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	<4 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	46X104X143mm
Installation Method	DIN rail
Weight	0.5 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

### EMC & Ingress Protection

Authentication	IEC 61000-4-5 Level (6KV/4KV)
----------------	-------------------------------

## Unmanaged switches

### 16 Port 10/100 Mbps Unmanaged switches POE

#### 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 16\*10/100 Base-T Industrial Ethernet Switches POE. 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-9000-65-2GX16TP

#### Provider Mode Ports

Fixed port	16*10/100 Base-T POE
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	P1/P2

#### Cable Type & Transmission Distance

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

#### 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	68 G
Packet forwarding rate	50.59 Mpps
MAC address table	16 K
Buffer	12M
Forwarding delay	<10 us
MDX/MIDX	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	94*104*143mm
Installation Method	DIN rail
Weight	1.0 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

#### EMC & Ingress Protection

Authentication	IEC 61000-4-5 Level (6KV/4KV)
----------------	-------------------------------



# Unmanaged Ethernet switches 10/100/1000 Mbps Gigabit POE

## Unmanaged switches

### 5 Port 100/1000 Mbps Unmanaged switches POE

#### 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 POE. 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-9000-45-5GP

#### Provider Mode Ports

Fixed port	5*100/1000 Base-T POE
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	P1/P2

#### Cable Type & Transmission Distance

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

#### 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 G
Packet forwarding rate	10.416 Mpps
MAC address table	8 K
Buffer	1M
Forwarding delay	<5 us
MDX/MIDX	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	31*91*118mm
Installation Method	DIN rail
Weight	0.4 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

#### EMC & Ingress Protection

Authentication	IEC 61000-4-5 Level (6KV/4KV)
----------------	-------------------------------

## 8 Port 100/1000 Mbps Unmanaged switches POE

### 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 POE. 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-9000-45-8GP

### Provider Mode Ports

Fixed port	8*100/1000 Base-T POE
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	P1/P2

### Cable Type & Transmission Distance

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

### 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 G
Packet forwarding rate	14.88 Mpps
MAC address table	16 K
Buffer	2M
Forwarding delay	<5 us
MDX/MIDX	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	143X104X48mm
Installation Method	DIN rail
Weight	0.5 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

### EMC & Ingress Protection

Authentication	IEC 61000-4-5 Level (6KV/4KV)
----------------	-------------------------------

# Unmanaged switches

## 16 Port 100/1000 Mbps Unmanaged switches POE

### 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 16\*100/1000 Base-T Industrial Ethernet Switches POE. 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-9000-65-2GX16GP

### Provider Mode Ports

Fixed port	16*100/1000 Base-T POE
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	P1/P2

### Cable Type & Transmission Distance

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

### 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	68 G
Packet forwarding rate	50.59 Mpps
MAC address table	16 K
Buffer	12M
Forwarding delay	<10 us
MDX/MIDX	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	94*104*143mm
Installation Method	DIN rail
Weight	1.0 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	IEC 61000-4-11 Level 3
ESD	IEC 61000-4-2 Level 4
Free fall	0.5m

### EMC & Ingress Protection

Authentication	ICCC, CE, FCC, RoHS
----------------	---------------------