

## XPS-I8120-24PF

12 port 10/100/1000T (8 ports PoE) + 8 port 100/1000 SFP + 4 port 10G SFP+ L2+ Managed Industrial Switch



- 12 Port 1000BaseT
- 8 Port 100/1000 SFP
- 4 Port 10G SFP+
- L2+ Features
- Total PoE Budget: 240 W
- 8 ports PoE
- IEEE802.1x
- IEEE802.3az
- IEEE802.3z/ab
- IP30
- DIN Rail

### Technical Specs.

Model No	XPS-I8120-24PF
Port Capacity	24 Port Industrial Managed PoE Switch
Port Types	12x 10/100/1000Base-T RJ45 copper ports (8 ports PoE) + 8x 100/1000 SFP ports + 4x 10G SFP+ ports + 1 RJ45 console port

### Performance

Switching Capacity	120 Gbps, wire speed (non-blocking)
Forwarding Rate	89.28 Mpps
MAC Table	16K
Jumbo Frames	9.6K
Memory	16M
Auto-negotiation	•
Auto MDI/MDIX	•
Store-and-Forward	•

### Layer 2+ Features

Spanning Tree Protocol (STP)	IEEE802.1d Spanning Tree Protocol IEEE802.1w Rapid Spanning Tree Protocol IEEE802.1s Multiple Spanning Tree Protocol Loop Back Detection
IGMP Snooping	IGMP v1/v2
VLANs	Support up to 4K VLANs Port-based VLAN 802.1Q tag-based VLAN
Link Aggregation	IEEE 802.3ad LACP
Ethernet Ring Protection Switching	G.8032 ERPS
Flow Control	IEEE802.3x
Private VLAN	•
Static Routing	•
Q in Q	•

### Security Features

Broadcast, multicast , unicast storm control  
 Secure Sockets Layer (SSL), Web security  
 DHCP Snooping  
 ARP Inspection  
 IP Source Guard  
 AAA, RADIUS and TACACS+

Secure Shell (SSH), Telnet security, supports SSH v1 and v2  
 ACL, VLAN ID or IP address,  
 MAC Based, Protocol based, Port Based, TCP/ UDP  
 Ethernet type, ICMP, IGMP, TCP flag  
 Port Security

### Management

Web/SSL	SNMP	Firmware upgrade,
Port Mirroring	DHCP Client	(HTTP/HTTPs and TFTP)
Port Isolation	Web GUI Interface	LLDP
Telnet/SSH	Cable Diagnostics	SNTP
Ping	CPU Load	TFTP
HTTP/HTTPs	Dual Image	Syslog
Timezone		

### IPv6

IPv6 MLD snooping	IPv4/IPv6 Dual Protocol Stack
IPv6 Ping	

### Quality of Service

CoS	8 queues per port TCP/ UDP Strict priority Weighted Round Robin (WRR)
Rate Limiting	Ingress/Egress Rate control
Traffic classification	IEEE802.1p DSCP / IP precedence

### PoE

Standard	IEEE802.3af IEEE802.3at
Total PoE Budget	240W
Max. PoE Power for each port	30W
Ports	8 ports support PoE

### Environment

DC Power Input	47-55V
Total Power Consumption	252W
Operating/Storage Temperature	-40 - 75 °C / -50 - 85 °C
Operating Humidity	5% - 95% , non-condensing

### Mechanical

Dimension	165 x 148 x 68.5 mm
Weight	1.2 kg
Installation	IP30 rating , DIN-rail

### Standards

EN55022	EN61000-4-4	EN61000-6-4	CE
EN61000-3-2	EN61000-4-5	IEC60068-2-6	FCC
EN61000-3-3	EN61000-4-6	IEC60068-2-27 Ea	RoHS
EN61000-4-2	EN61000-4-8	CE/LVD EN60950	ISO 9001
EN61000-4-3	EN61000-6-2	VCCI Class B	

### Ordering Information

<b>XPS-I8120-24PF</b>	12 port 10/100/1000T (8 ports PoE) + 8 port 100/1000 SFP + 4 port 10G SFP+ L2+ Managed Industrial Switch
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### Modules

<b>XPS-I21LX</b>	XPS Industrial Dual Core LX SM 10Km SFP Module -40/75°C
<b>XPS-I21SX</b>	XPS Industrial Dual Core SX MM SFP Module -40/75°C
<b>XPS-I22LR</b>	XPS Industrial Dual Core LR 10G SM 10Km SFP Module -40/75°C
<b>XPS-I22SR</b>	XPS Industrial Dual Core SR 10G MM SFP Module -40/75°C

\*more module ranges are available upon request.