

XPS-I7121-10P

8 port 10/100/1000 PoE + 2 Gigabit Combo (TP/SFP) L2+ Managed Industrial Switch



- 8 Port 10/100/1000BaseT
- 2 Port 100/1000 TP/SFP
- L2+ Features
- Total PoE Budget: 240 W
- 8 ports PoE
- IEEE802.1x
- Rapid Ring (R-Ring)
- IEEE802.3az
- IEEE802.3z/ab
- ITU-T G.8031 (EPS)
- ITU-T G.8032 (ERPS)

Technical Specs.

Model No	XPS-I7121-10P
Port Capacity	10 Port Gigabit Industrial Managed PoE Switch
Port Types	8x 10/100/1000Base-T RJ45 copper ports (PoE) + 2 Gigabit Combo (10/100/1000BaseT - 100/1000 SFP) + 1 RJ45 console port

Performance

Switching Capacity	20 Gbps , wire speed (non-blocking)
Forwarding Rate	14.88 Mpps
MAC Table	8K
Jumbo Frames	9Kb
Memory	32M
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/v3 (Supports 1024 multicast groups)
VLANs	Support up to 4K VLANs Port-based VLAN Tag-based VLAN (802.1Q), VLAN tagging/trunking MAC-based VLAN Management VLAN Private VLAN Edge (PVE) Voice VLAN GARP VLAN Registration Protocol (GVRP)
Link Aggregation	IEEE 802.3ad LACP
Ethernet Protection Switching	G.8031 EPS
Ethernet Ring Protection Switching	G.8032 ERPS
Flow Control	IEEE802.3x
Private VLAN	•
Static Routing (IPv4 and IPv6)	•
Q in Q (802.3ad)	•
DHCP Relay (works with DHCP Option 82)	•
IGMP Querier/Proxy	•
Multicast VLAN Registration (MVR)	•

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Security Features

Broadcast, multicast, unicast storm control
Secure Sockets Layer (SSL), Web security
ARP Inspection
ACLs, VLAN ID or IP address, MAC Based,
 Protocol based, Port Based, TCP/ UDP, Ethernet
 type, ICMP, IGMP, TCP flag, 802.1p priority

Secure Shell (SSH), Telnet security, supports SSH v1 and v2
DHCP Snooping
Port Security, IEEE 802.1x - IP, MAC based authentication
AAA, RADIUS and TACACS+
Loop Protection
IP Source Guard

Management

Web/SSL	SNMP (v1, v2c, v3)	Firmware upgrade, (HTTP/HTTPS, TFTP and console)
Port Mirroring	DHCP Client/DHCPv6 Client	LLDP (IEEE 802.1ab)
Telnet	DHCP Server	NTP (Network Time Protocol)
SSH	Web GUI Interface	TFTP
Ping	CLI via Console Port	Syslog
HTTP/HTTPS	Cable Diagnostics	IPv6 Management
Timezone	CPU Load	UPnP
HW Monitoring	Dual Image	iPush
IEEE 1588v2 PTP (Precision Time Protocol)	RMON (1,2,3,9 group)	s-Flow
IEEE 802.3ah (OAM Link-Fault Management)	HW Watchdog	
	IEEE 802.1ag (Y.1731)	

IPv6

IPv6 Management	IPv4/IPv6 Dual Protocol Stack
IPv6 Ping	IPv6 MLD v1/v2 snooping

Quality of Service

CoS	8 queues per port TCP/ UDP Strict priority Weighted Round Robin (WRR) Queue assignment based on DSCP and class of service
Rate Limiting	Ingress/Egress Rate control
Traffic classification	IEEE802.1p VLAN priority based Traffic Shaper (Port based shaping) DSCP/IP precedence DiffServ/ToS Classification and re-marking ACLs

PoE

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

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Alarm

Digital Output Relay	24VDC/1A
SNMP Traps	•

Environment

DC Power Input	47-55V
Total Power Consumption	247W
Operating/Storage Temperature	-40 - 75 °C / -50 - 85 °C
Operating Humidity	5% - 95%, non-condensing
Fanless Design	•

Mechanical

Dimension	135 x 130 x 62 mm
Weight	0.95 kg
Installation	IP30 rating , DIN-rail

Standards

EN55022	EN61000-6-2	EN61000-4-5	IEC60068-2-27
EN61000-6-4	EN61000-4-2	EN61000-4-6	IEC 60068-2-32
EN61000-3-2	EN61000-4-3	EN61000-4-8	CE
EN61000-3-3	EN61000-4-4	IEC60068-2-6	FCC Part 15 Class A ISO 9001

Ordering Information

XPS-I7121-10P	8 port 10/100/1000 PoE + 2 Gigabit Combo (TP/SFP) L2+ Managed Industrial Switch
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Modules

XPS-I21LX	XPS Industrial Dual Core LX SM 10Km SFP Module -40/75°C
XPS-I21SX	XPS Industrial Dual Core SX MM SFP Module -40/75°C
XPS-I21LH	XPS Industrial Dual Core ZX SM 50Km SFP Module -40/75°C
XPS-I21ZX	XPS Industrial Dual Core ZX SM 70Km SFP Module -40/75°C

*more module ranges are available upon request.