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RELIABLE SECURE CONNECTIVITY

XPI240 Series

Industrial POE Injector



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Industrial POE Injector

FEATURE HIGHLIGHTS

- Supports 802.3af (PoE), 802.3at (PoE+)
- Up to 30W PoE power available
- Redundant 12~57VDC Power input
- Supports Mode A and Mode B, DIP-Switch Selectable
- 2x 10/100/1000 BASE-T(X) ports (data in, data + PoE out)
- IP30 aluminum with DIP-Rail / Wall mount (optional)
- Operating range of -40°C to 75°C

PRODUCT DESCRIPTION

Multi-Protocol Support

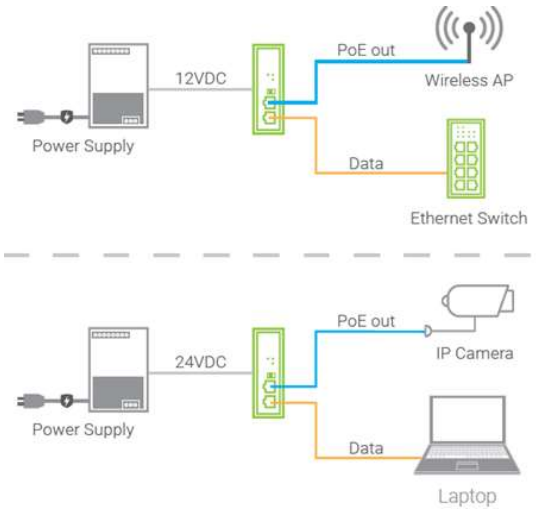
This PoE Injector allows you to provide PoE Power to virtually any device.Besides legacy IEEE 802.3af (PoE) and IEEE 802.3at (PoE+) standards.

Mode A and Mode B selection

XPI240 supports for 802.3af/at both Mode A and Mode B, allowing you through a simple DIP-Switch setting, to determine which pins to use to transfer the powerand be flexible in adapting this device in virtually any requirement without the hassle of different part numbers.

Flexible power input

Equipped with a 12~57VDC wide-range redundant power input combined witha strong EMC protection, XPI240 can be flexibly installed on machine-side, reducing the overall cost of ownership resulting in not needing an external, expensive, power supply.



PRODUCT SPECIFICATIONS

Technical Specifications	
Product	XPI240
Ethernet	
Compliance	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE 802.3ab for 1000BaseT(X) IEEE 802.3af for Power-over-Ethernet (PoE - max 15.4W) IEEE 802.3at for Power-over-Ethernet (PoE+ - max 30.0W
PoE modes	Mode A/ Mode B DIP-Switch selectable Mode A: PoE power through data pins (1,2,3,6) Mode B: PoE power through spare pins (4,5,7,8)
RJ 45 Transmission Rate	10/100/1000 Mbps
Auto MDI/MDI-X	Yes
Power	
PoE Voltage Booster	Yes (Max support 30W)
Input Voltage	12~57 VDC (power limitations)
Input Current	Max 3.6A @12VDC
Max. Power Consumption	30W
LED	
Indicators	P1, P2, PoE
Physical Characteristics	
Housing	IP30 metal housing
Dimension (W x H x D)	32 x 110 x 90 mm
Weight	340g
Installation	DIN-Rail , Wall mount (optional kit)*
Environmental Limits	
Operating Temperature	-40°C~75°C (-40°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Ambient Relative Humidity	5%~95%, 55°C (Non-condensing)

REGULATORY APPROVALS

Regulatory Approvals	
Safety	Atheros AR9382
EMC	1T1R MIMO (1 x 1 with MCS 0-7)

Test	Item		Value	Level
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±6kV ±8kV	3 3
IEC 61000-4-3	RS	80-1000MHz 1. 4-2.0GHz 2. 0-2.7GHz	10(V/m) 3(V/m) 10(V/m)	3 3 3
IEC 61000-4-4	EFT	DC Power Port Signal Port	±4.0kV ±2.0KV	4 4
IEC 61000-4-5	Surge	DC Power Port DC Power Port Signal Port	Line-to Line±2.0kV Line-to Earth±4.0kV Line-to Earth±3.0kV	4 4 3
IEC 61000-4-6	CS	0.15-80MHz	10 V rms	3
IEC 61000-4-8	PFMF	Enclosure	10 A/m	3
IEC 61000-4-11	DIP	AC Power Port	-	A

Shock Drop Vibration	MIL-STD-810F Method 516.5 MIL-STD-810F Method 516.5 MIL-STD-810F Method 514.5 C-1 & C-2
RoHS II	Yes
MTBF	72.23 years
Warranty	5 years

ORDER INFORMATION

Model name	RJ45 Ports	SFP Slots	POE	12~57V PoE booster
XPI240	2	0	1	Yes

OPTIONAL ACCESSORIES

Type	Model Name	Description
Wall Mount	Wall Mount set	Aluminum wall mount kit
Power Supply	XDP-75-24	DIN RAIL;AC 88~264V to 24VDC 3.2A;75W
Power Supply	XDP-240-48	DIN RAIL;AC 88~264V to 48V~55VDC 5A; 240W
Power Supply	XDP-480-48	DIN RAIL;AC 88~264V to 48V~55VDC 5A; 480W

WHO WE ARE

Built on 20 years of experience in designing and manufacturing industrial networking products, **Agatel** was established from the UK to serve the infrastructure and industrial sectors in EMEA markets with reliable connectivity for mission-critical systems in demanding environments.

Experienced in hardware and software design and integration, we produce high-quality yet cost-effective industrial networking and communication products with great customization capabilities and robust implementations, equipping our customers for reliable secure industrial networks.

WHAT WE OFFER

The needs of our customers' industry are different from those of corporate IT environments – industrial operating environments are tough and the impact of failure in the field can lead to business threatening situations, hence our products will have lifetimes in excess of 20 years.

From entry-level to high-performance industry-certified hardware, **Agatel** offers a full solution spectrum to suit our customers' budgets and application requirements, with features such as industrial-grade reliability, integrated security, network redundancy, and advanced performance.

Our product solution profile includes industrial Ethernet switches, network time servers, media converters, industrial wireless devices, and serial device servers, covering a wide array of mission-critical applications such as automation, security, transport, water, oil and gas, and power grids.

WHY CHOOSE US

We help our customers reduce downtime and operational costs of their industrial applications in harsh environments. Leading system integrators in EMEA rely on our niche technical expertise and product quality to increase their applications' robustness, revenues, and competitive differentiation.

Agatel ruggedized high-quality solutions are designed to deliver zero-network-downtime for harsh project demands, allowing for reliable connectivity to keep people and assets safe and secure in harsh and hazardous environments, and allowing customers to focus on growing their business.

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