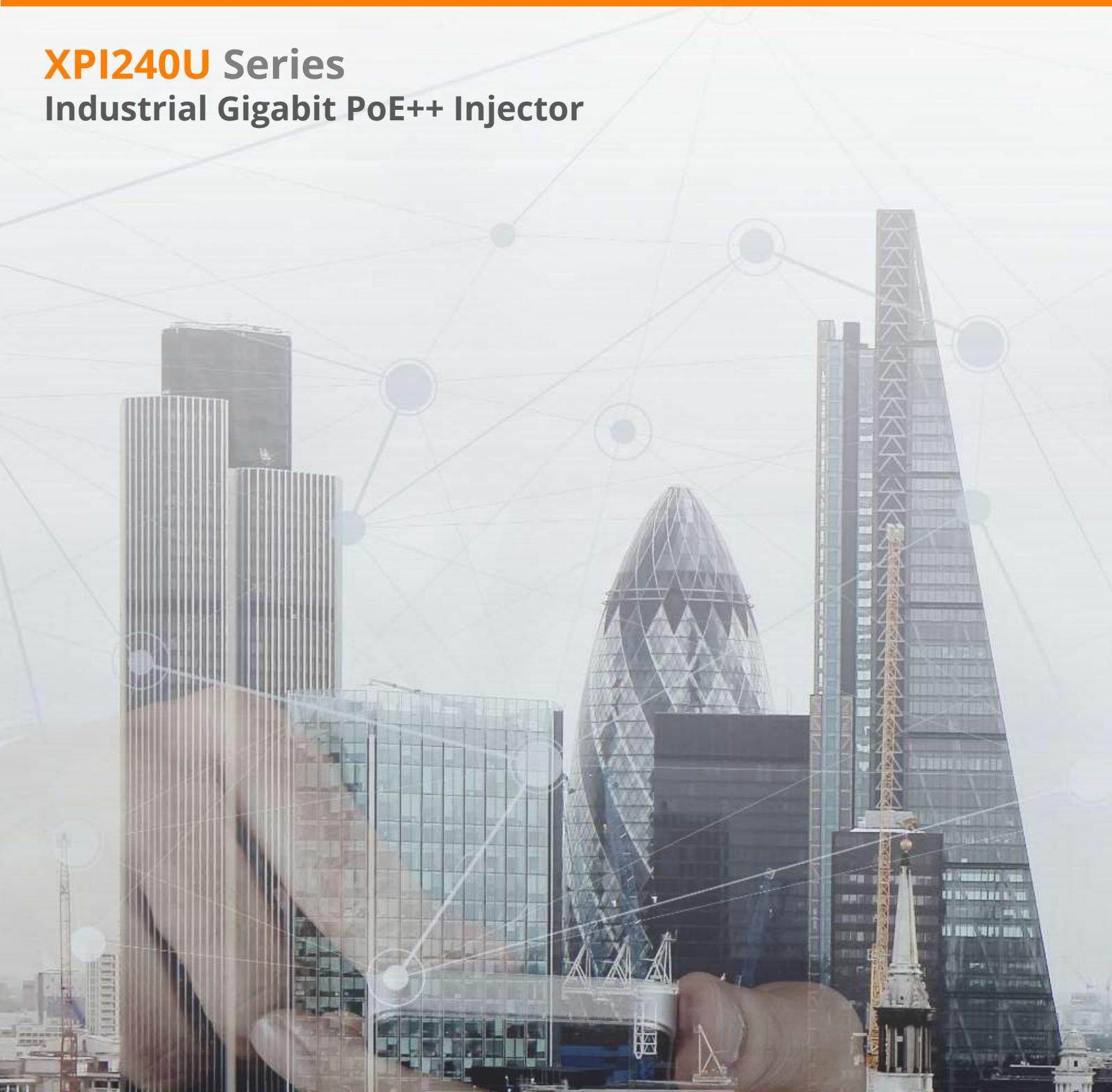# RELIABLE SECURE
CONNECTIVITY

XPI240U Series
Industrial Gigabit PoE++ Injector

XPI240U Series
Industrial Gigabit PoE++ Injector

FEATURE HIGHLIGHTS

- Inject power and Gigabit Ethernet data to PoE P.D. equipment
- IEEE 802.3af/at/bt compliant PoE, Max. PoE power budget 90W
- Redundant 48-55VDC power inputs design
- Operating temperature range: -40°C ~ 75°C

PRODUCT DESCRIPTION

PoE and Non-PoE are both highly utilized in industrial networking applications nowadays; however, it sometimes goes to an Awkward situation that end-device, e.g. remote camera, supports PoE function but the Ethernet switch does not. Is there any other Solution but replacing the switch with a PoE one?

XPI240U Series solve the problem simply by deploying data and power from non-PoE switch and power input to the PD Device. PoE injector is a brilliant low-cost solution for the case that only one side of the device is supporting PoE function. Therefore, AGATEL XPI240U Series will be your best choice to deal with the lack of PoE function cases.

Additionally, XPI240U Series supports power input from 48VDC to 55VDC, ensuring full 90W PoE output, in compliance with IEEE 802.3bt standard for better usage in various industrial markets, like automation, surveillance, and vehicle industry. Besides that, with the fan-less design, this model series also works perfectly in polarized temperatures from -40~75℃ and undoubtedly Becomes your best option in a harsh environment

PRODUCT SPECIFICATIONS

Interface	
RJ45 Ports	1*10/100/1000Basc-T(X)
RJ45 Ports (P.S.E. o"t)	1*10/100/1000Base-T(X) with PoE++ (compliant IEEE 802.3af/at/bt)
PoE Pin	V-, V-, V+, V+, for pin 1, 2, 3, 6; V+, V+, V-, V-, for pin 4, 5, 7, 8 *Support Modes: Mode A, Mode B, 4-Pair Mode
LED Indicators	PWR: Power input connection status PoE: PoE supply status
Relay Contact	24 VKC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) NOTE: The total length from the device A through the Injector to the device B must not exceed 100 meters
Power Requirements	
Input Voltage	Dual 48-55VDC redundant power inputs * For IEEE802.3 bt application, power supply not less than 53V is recommended
recommended Power Connection	1 removable 4-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption.	Max. 1.6W full loading
Max PoE Power Budget	90W
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 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	793,085 hrs`
Warranty	5 Years

⚙ ORDER INFORMATION

Order Information	
XPI240U	Industrial Gigabit PoE++ Injector -1*10/100/1000Base-T(X) with PoE-PSE (90W/Port) + 1*10/100/1000Base-T(X)

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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