

RELIABLE SECURE CONNECTIVITY

XEF240UP-1S Series
Industrial Ultra PoE Media Converter





XEF240UP-1S Series Industrial Ultra PoE Media Converter



FEATURE HIGHLIGHTS

- 1-port 10/100/1000Tx Gigabit Ethernet with IEEE 802.3bt Compliant PoE
- 1-port 100/1000 SFP Slot
- LFP function support
- Redundant Power Input Design, 48-55VDC
- PD Remote Rest Technology (PRRT) function support
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature Range - STD: -10°C ~ 70°C, EOT: -40°C ~ 80°C





PRODUCT SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at Power over Ethernet IEEE 802.3af/at/bt Power over Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switching Fabric	4GBPS
Memory Buffer	1Mbits
Jumbo Frame	10Kbytes
MAC Table size	8K
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port
Interface	
RJ45 Ports	1*10/100/1000BaseT(X) with IEEE 802.3bt PoE , auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	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
Fiber Port	1*100/1000 SFP Slot
LED Indicators	Power Status LED, IEEE802.3af/at PoE Enabled LED, IEEE 802.3bt PoE Enabled LED Ethernet Ports: On-Link/Flash-data transmitting
Wavelength	Depends on SFP modules
DIP Switch	DIP Switch 1: PD Remote Reset Technology (PRRT) Enable/ Disable DIP Switch 2: Link Fault Pass-Through (LFP) Enable/Disable DIP Switch 3: 100Mbps/1000Mbps
Power Requirements	
Input Voltage	Dual 48-55VDC, Redundant Input
Power Connection	1 removable 4-contact terminal block
Power Consumption	3 Watts for System
Max. PoE Power Budget	90Watts
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 95 x 75 mm (W x H x D)
Weight	Unit Weight: 0.270kg, Shipping Weight: 0.370kg
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	STD: -10°C ~ 70°C (14°F ~ 158°F); EOT: -40°C ~ 80°C (-40°C ~ 176°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

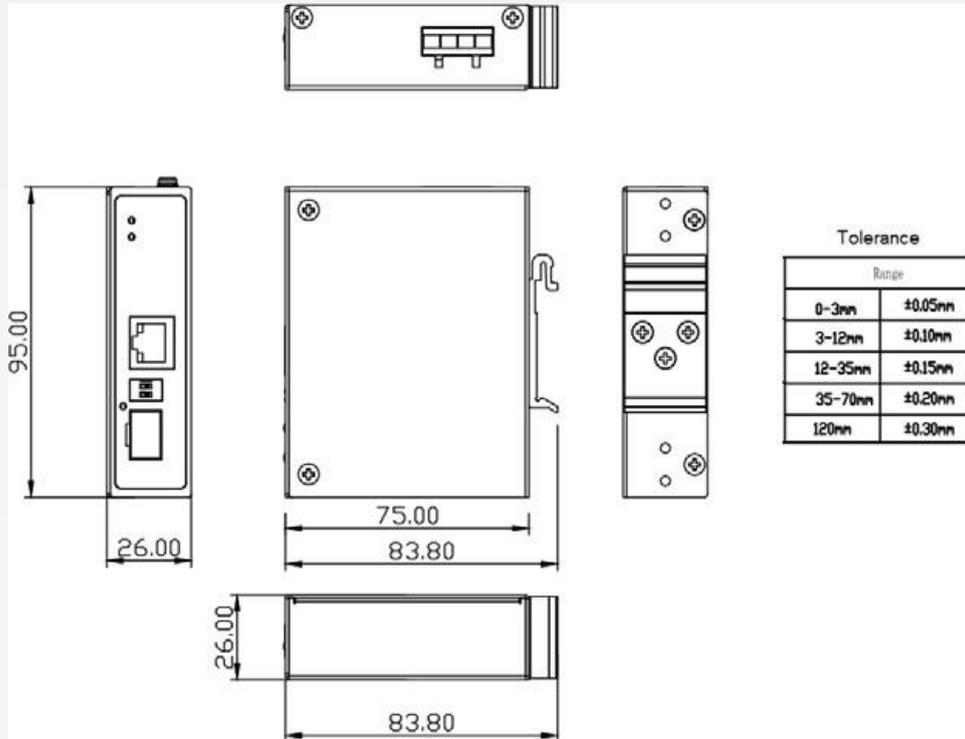
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	UL 61010-1, UL 61010-2-201
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	969,818 hrs.
Warranty	5 Years





DIMENSIONS & LAYOUT

Drawing





ORDER INFORMATION

Order information	
XEF240UP-1S	Industrial Ultra POE Media Converter - 1*10/100/1000Tx with PoE Injector (90W/Port) + 1*100/1000 SFP Slot
XEF240UP-1S-T	Industrial Ultra PoE Media Converter - 1*10/100/1000Tx with PoE Injector (90W/Port) + 1*100/1000 SFP Slot, Extended Operating Temperature: -40° to 80° C
Optional Accessories	
DR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC
SDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)
SDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)
SDR-480-48	480W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)





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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