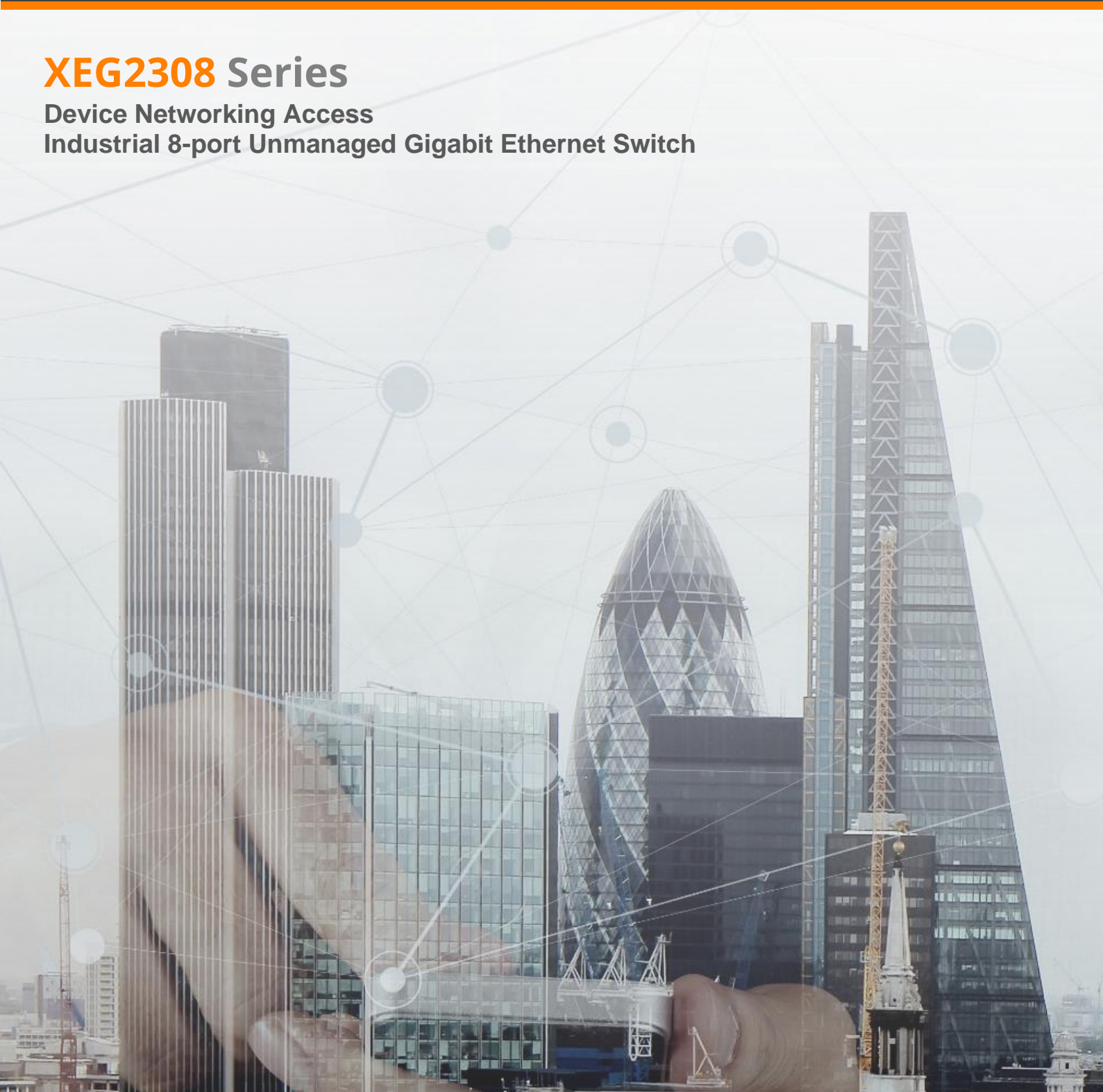


RELIABLE SECURE CONNECTIVITY

XEG2308 Series

Device Networking Access

Industrial 8-port Unmanaged Gigabit Ethernet Switch





XEG2308 Series

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Industrial 8-port Unmanaged Gigabit Ethernet Switch



FEATURE HIGHLIGHTS

Technology

- 10/100/1000BaseT(X) (RJ45)
- Broadcast storm protection
- Support IEEE 802.3/ 802.3u/ 802.3x
- 10/100/1000M Full/Half-Duplex, MDI/MDI-X auto- detection

Reliability

- Redundant dual DC power inputs
- Operating temperature ranges from -10~70 ° C
- Rugged high-strength housing
- DIN-Rail or wall mounting ability



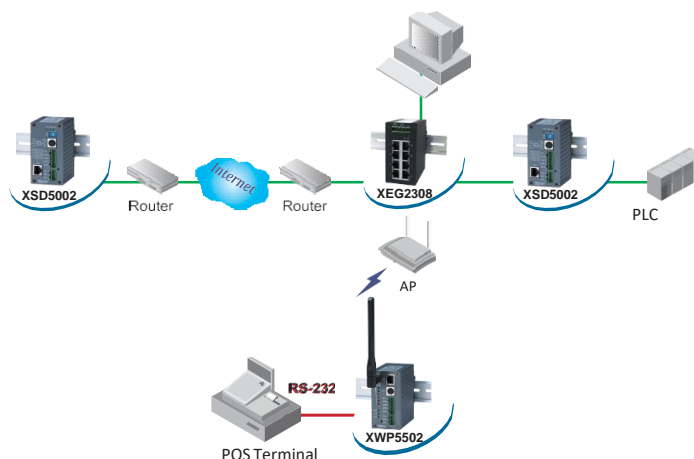
PRODUCT DESCRIPTION

XEG2308 with 8 RJ-45 Gigabit ports for your industrial applications.

It designs to work in the industrial environment, such as in hazardous locations that comply with CE, FCC, UL, IP50 and RoHS standards.

XEG2308 protects itself from receiving too many broadcast packets. During normal use, broadcast packets will be forwarded to all ports except the source port. However, it will discard broadcast or multicast packets if the number of those packets exceeds a threshold in a preset period of time. When the preset period expires (about 800ms), it will then resume receiving broadcast or multicast packets until the threshold is reached again.

XEG2308 provides two redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs failure, the other live source acts as a backup to provide the XEG2308 power needs automatically.





SPECIFICATIONS

| Technical Specifications | |
|-----------------------------|--|
| Standards | IEEE802.3, 802.3u, 802.3ab, 802.3x |
| Processing Type | Store and Forward |
| Flow Control | IEEE802.3x full duplex, back pressure flow control |
| Jumbo Frame Size | Up to 9216 byte |
| Interface | |
| RJ45 Ports | 10/100/1000BaseT(X) auto negotiation speed Full/Half-duplex mode, and auto MDI/MDI-X connection |
| LED Indicators | Power, LAN(10/100/1000M) |
| Power Management | |
| Input Voltage | 9-48 VDC(0.45A max), Dual inputs |
| Consumption | 4.05 Watts Max |
| Connector | Removable 5-pin Terminal Block for power input |
| Reverse Polarity Protection | Present |
| Physical Characteristics | |
| Housing | IP30 protection, metal housing |
| Dimension (W x H x D) | 45.2mm x 90mm x 78mm |
| Weight | 255g |
| Environmental Limits | |
| Operating Temperature | -10°C~70°C (14°F~158°F) |
| Storage Temperature | -40°C~85°C (-40°F~185°F) |
| Ambient Relative Humidity | 5%~95% non-condensing |



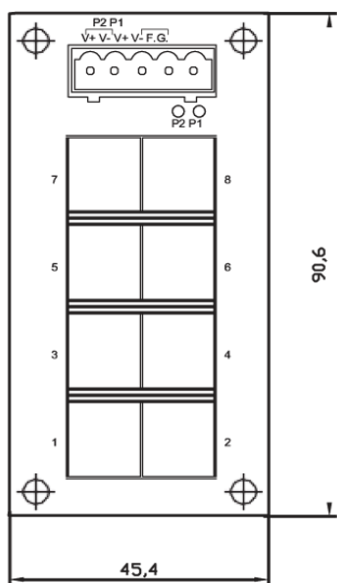
REGULATORY APPROVALS

| Regulatory Approvals | |
|----------------------|---|
| UL(Safety) | UL60950-1 2nd Ed. /CSA C22.2 No.60950-1-07 2nd Ed. |
| FCC(EMI) | FCC Part 15, Subpart B, Class A |
| CE(EMI) | European Standard EN55032:2012+AC:2013 Class A. EN61000-3-2:2014, EN 61000-3-3:2013 |
| CE(EMS) | EN55024:2010(IEC 61000-4-2:2008) IEC61000-4-3:2006/A1:2007/A2:2010, IEC 61000-4-4:2012 IEC 61000-4-5:2014, IEC 61000-4-6:2013 IEC 61000-4-8 :2009, IEC 61000-4-11:2004 |
| Shock | IEC 60068-2-27 |
| Drop | IEC 60068-2-32(ISTA Test Procedure 2A) |
| Vibration | IEC 60068-2-64 |
| High Altitude | Certified for 4000m altitude according to IEC 60068-2-13 |
| RoHS | Lead(Pb) Free |
| MTBF | 472359.98 hrs(25°C) / 53.92 years(25°C) |
| IP Protection | IP30 IEC/EN60529 |
| Warranty | 5 years |

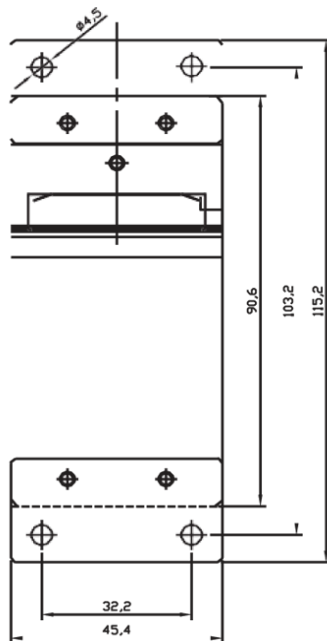




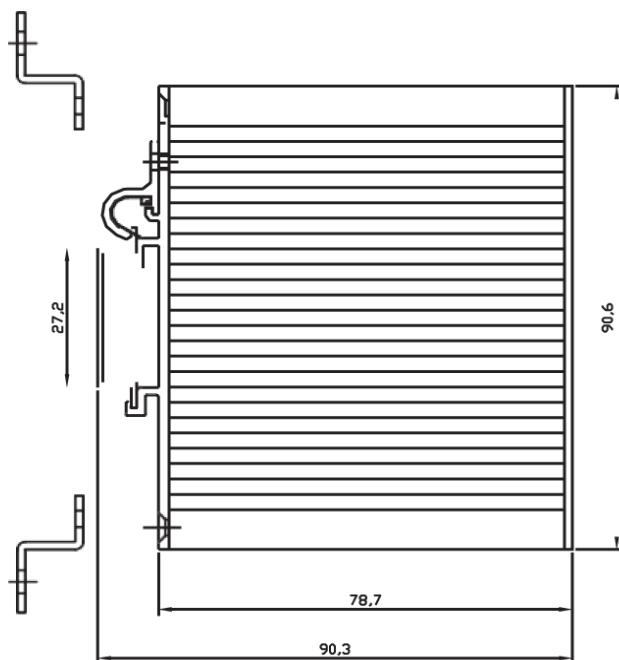
DIMENSIONS & LAYOUT



Front-panel front view



Backboard rear view



(Mount kit)

Housing side view



ORDERING INFORMATION

| Ordering information | | | |
|-------------------------------------|---------------------|-----------|-------------------------|
| Model Name | Port Interface | | |
| | 10/100/1000BaseT(X) | 100BaseFX | |
| Extended Temperature (-10°C ~ 70°C) | | | Multi Mode ST Connector |
| XEG2308 | 8 | ---- | ---- |

| Optional Accessories | |
|----------------------|--|
| Accessories Type | Description |
| XPA-315-12-Y-LV6-US: | Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6 |
| XPA-315-12-Y-LV6-EU: | Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6 |
| XPA-315-24-Y-LV6-US: | Y-Type power adapter, 100~240VAC input, 0.65A @ 24VDC output, US plug, LV6 |
| XPA-315-24-Y-LV6-EU: | Y-Type power adapter, 100~240VAC input, 0.65A @ 24VDC output, EU plug, LV6 |

DIN-Rail mount, Wall mount





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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