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RELIABLE SECURE CONNECTIVITY

XE2316 Series

Industrial 16-port Unmanaged Fast-Ethernet Switch with Gigabit Uplink ports



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FEATURE HIGHLIGHTS

- 14 10/100 BASE-T(X) RJ45 ports and
- 2 10/100/1000 BASE-T(X) RJ45 ports
- Rugged IP30 housing
- Works from -10°C~60°C
- Packet Prioritization according to 802.1p
- Reverse Polarity Protection

PRODUCT DESCRIPTION

XE2316-2G is an entry level unmanaged fast ethernet and gigabit switch with 14 10/100BASE-T(X) RJ45 and 2 10/100/1000BASE- T(X) ports, suitable and certified for EN/UL 60950/62368, CE and FCC. Its modern design makes the device installation possible on DIN-Rails with not much space available, or directly on the field.

IP30 housing design protects the XE2316-2G to resistance towards dust, dirt and it also offers shock/drop/vibration that certified with IEC 60068-2 standard, with them it's suitable for the toughest industrial applications even without the need of additional housing. And the operating temperature ranges is from -10°C to 60°C.

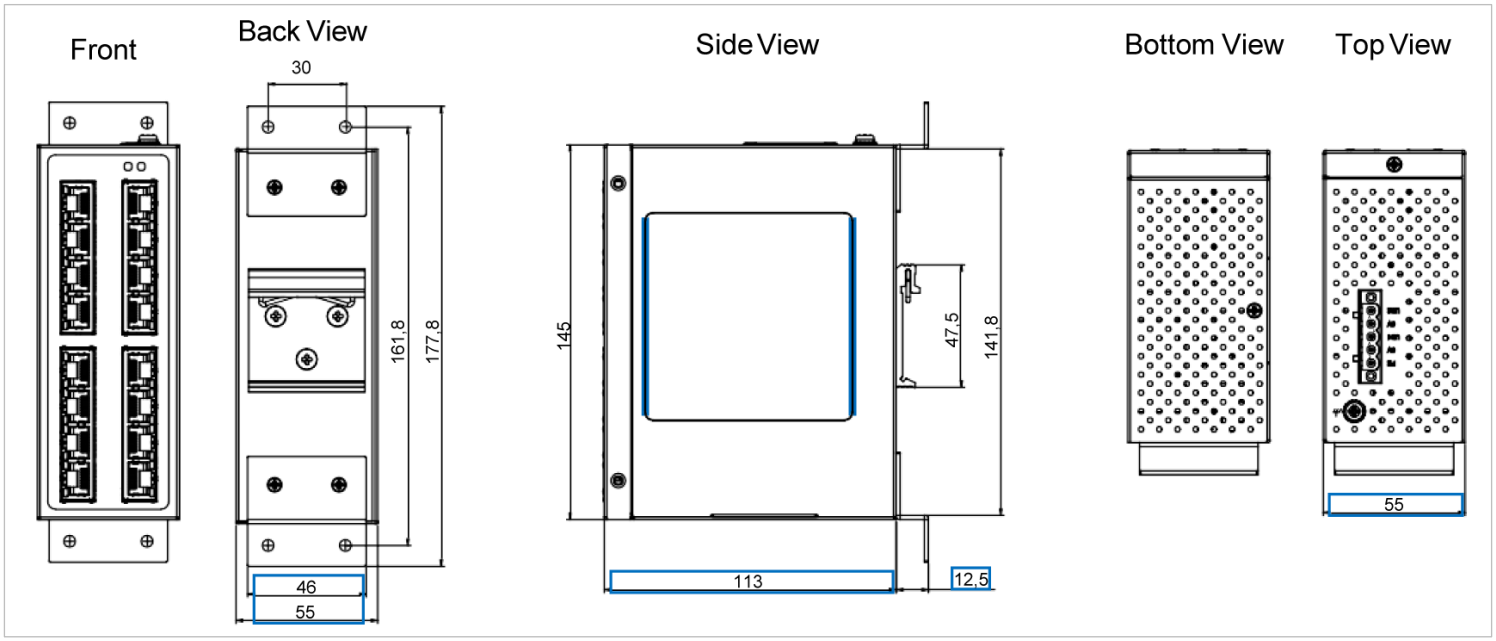
SPECIFICATIONS

Technical Specifications	
Model Name	XE2316-2G
Switch Properties	
Processing Scheme	Store-and-Forward
MAC Address Table	4K
Packet Buffer Size	2.75Mb
Ethernet	
Compliance	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE802.3ab for 1000BASE-T(X) IEEE 802.3x for Flow Control, back pressure flow control IEEE 802.1p packet prioritization (for Profinet CC-A)
Flow Control	Back pressure and pause frame-based flow control schemes
Transmission Rate	10/100 and 10/100/1000 Mbps on Gigabit ports
Number of ports	14 x 10/100 Mbps RJ45 2 x 10/100/1000 Mbps RJ45
Auto MDI/MDI-X	Yes
Power	
Input Voltage	12~48 VDC
Input Current	0.62 A Max
Max. Power Consumption	7.4 W
LED	
Indicators	PWR1, PWR2
Physical Characteristics	
Housing	IP30
Dimension (W x H x D)	54 mm x 113mm x 145mm
Weight	700g
Installation	DIN-Rail mounting , Wall mount (optional kit)*
Environmental Limits	
Operating Temperature	-10°C~60°C (14°F~140°F)
Storage Temperature	-20°C~70°C (-4°F~158°F)
Ambient Relative Humidity	5%~95%, 55°C (Non-condensing)

REGULATORY APPROVALS

Regulatory Approvals					
Safety	EN60950-1:2006, UL/IEC(CB) 60950/62368				
EMC	FCCPart 15, Subpart B, Class A, EN 55032, EN 55024, EN 61000-6-4, EN 61000-6-2				
Test	**Item**		**Value**	**Level**	**Criterion**
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±4kV ±4kV	2 2	B B
IEC 61000-4-3	RS	80-1000MHz, 1.4~2.0 & 2~2.7GHz	-	2	A
IEC 61000-4-4	EFT	AC Power Port DC Power Port Signal Port	±1.0KV ±1.0KV ±2.0KV	2 2 2	A A A
IEC 61000-4-5	Surge	AC Power Port AC Power Port DC Power Port DC Power Port Signal Port	Line-to Line±1.0KV Line-to Earth±2.0KV Line-to Line±1.0KV Line-to Earth±2.0KV Line-to Earth±2.0KV	- - 2 2 2	A A A A A
IEC 61000-4-6	CS	0.15-80MHz	3 Vrms	2	A
IEC 61000-4-8	PFMF	Enclosure	3 A/m	1	A
IEC 61000-4-11	DIP	AC Power Port	-	-	-
Shock	IEC 60068-2-27				
Drop	IEC 60068-2-32				
Vibration	IEC 60068-2-6				
RoHS	Yes				
MTBF	177596 hours (25°C) - 20.27 Years (25°C) according to MIL-HDBK-217F				
Warranty	5 Years				

DIMENSIONS & LAYOUT



ORDERING INFORMATION

Ordering information		
Model Name	Port Configuration	
	RJ45 10/100	RJ45 10/100/1000
XE2316-2G	14	2

Optional Accessories		
Accessories Type		Description
Wall Mount	XWK450-A-BK	Aluminum wall mount kit
Power Supply	XDP-75-24	75W/3.2A DIN-Rail 24VDC power supply 88~264VAC / 124~370VDC input
Power Supply	XDP-240-48	240W/5A DIN-Rail 48VDC power supply 88~264VAC / 124~370VDC input

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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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