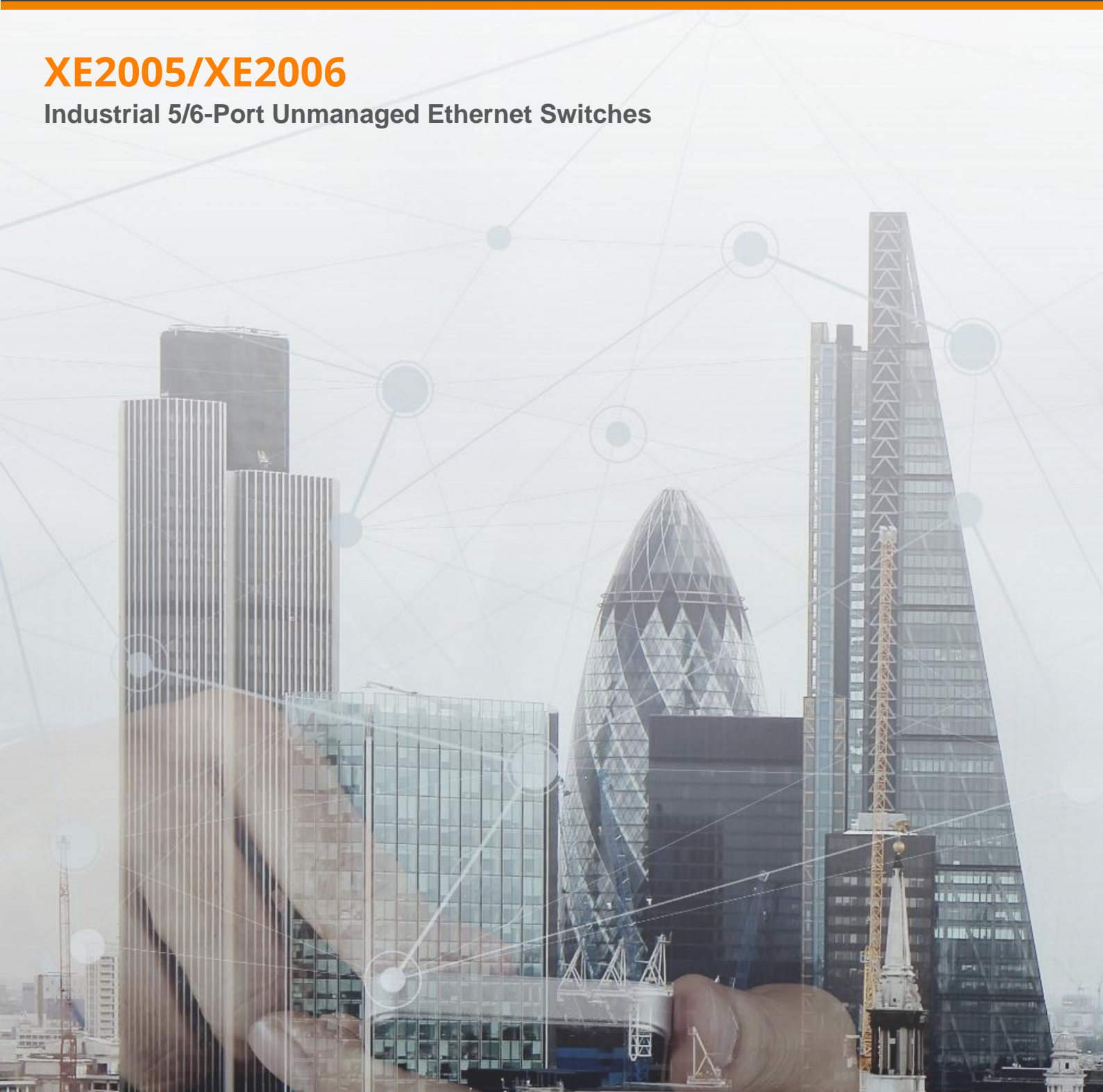


RELIABLE SECURE CONNECTIVITY

XE2005/XE2006

Industrial 5/6-Port Unmanaged Ethernet Switches



XE2006



XE2005-FS (Single-mode)



XE2005-FM (Multi-mode)



RoHS compliant

XE2005/XE2006

Industrial 5/6-Port Unmanaged Ethernet Switches



FEATURE HIGHLIGHTS

- 4 x 10/100BaseT(X) (RJ45)
- 1 x fiber port with ST (-Fm model) or SC (-Fs model)
- Broadcast storm protection
- Support IEEE 802.3/ 802.3u/ 802.3x
- 10/100M, Full/Half-Duplex, MDI/MDI-X auto-detection
- Local area transmit distance of 2 Km with Multi-mode Fiber connections
- Long-haul transmit distance of 20 Km with Single-mode Fiber connections
- Redundant dual DC power inputs
- Operating temperature ranges from 0~60°C
- Rugged high-strength plastic case
- DIN-Rail or wall mount support



PRODUCT DESCRIPTION

The XE2005/XE2006 Series include 5/6-port Ethernet switches that provide two solutions, one with 6 RJ-45 ports and the other with 4 RJ-45 ports and one optic ST/SC port for your industrial applications. These XE2005/XE2006 series have been designed for industrial environments, such as in hazardous locations that comply with FCC, TUV, UL, and CE standards.

XE2005/XE2006 series protect itself from receiving too many broadcast packets. During normal use, broadcast packets will be forwarded to all ports except the source port. However, XE2005/XE2006 series 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.

XE2005/XE2006 series provide 2 redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs fails, the other live source acts as a backup to provide the XE2005/XE2006 series' power needs automatically.



SPECIFICATIONS

| Ethernet | |
|---------------------------|--|
| Transmission Rate | 0/100Mbps |
| Total Port | 5 / 6 |
| 10/100Mbps | 5 / 6 |
| Connector | RJ-45 x 4+ 1FM/1FS x 1 (XE2005-FM/FS) / RJ-45 x 6 (XE2006) |
| Auto MDI/MDI-X | Yes |
| Power | |
| Input | 8 |
| Connector | 256 |
| Consumption | VID 1 to 4094 |
| Environment | |
| Operating | 0°C ~ 60°C (32° ~ 140°F) |
| Storage | -20° ~ 70°C (-4°~ 185°F), 5 ~ 95%RH |
| High Altitude | Certified for 4000m altitude according to IEC 60068-2-13 |
| Dimension | |
| W x H x D | 45mm x 90mm x 80mm |
| MTBF(Hour) | |
| Preceding | 107296(XE2005-FM/FS) / 112092(XE2006) |
| Environmental Limits | |
| Operating Temperature | -20°C~70°C (-4°F~158°F) |
| Storage Temperature | -40°C~85°C (-40°F~185°F) |
| Ambient Relative Humidity | 5%~95% non-condensing |



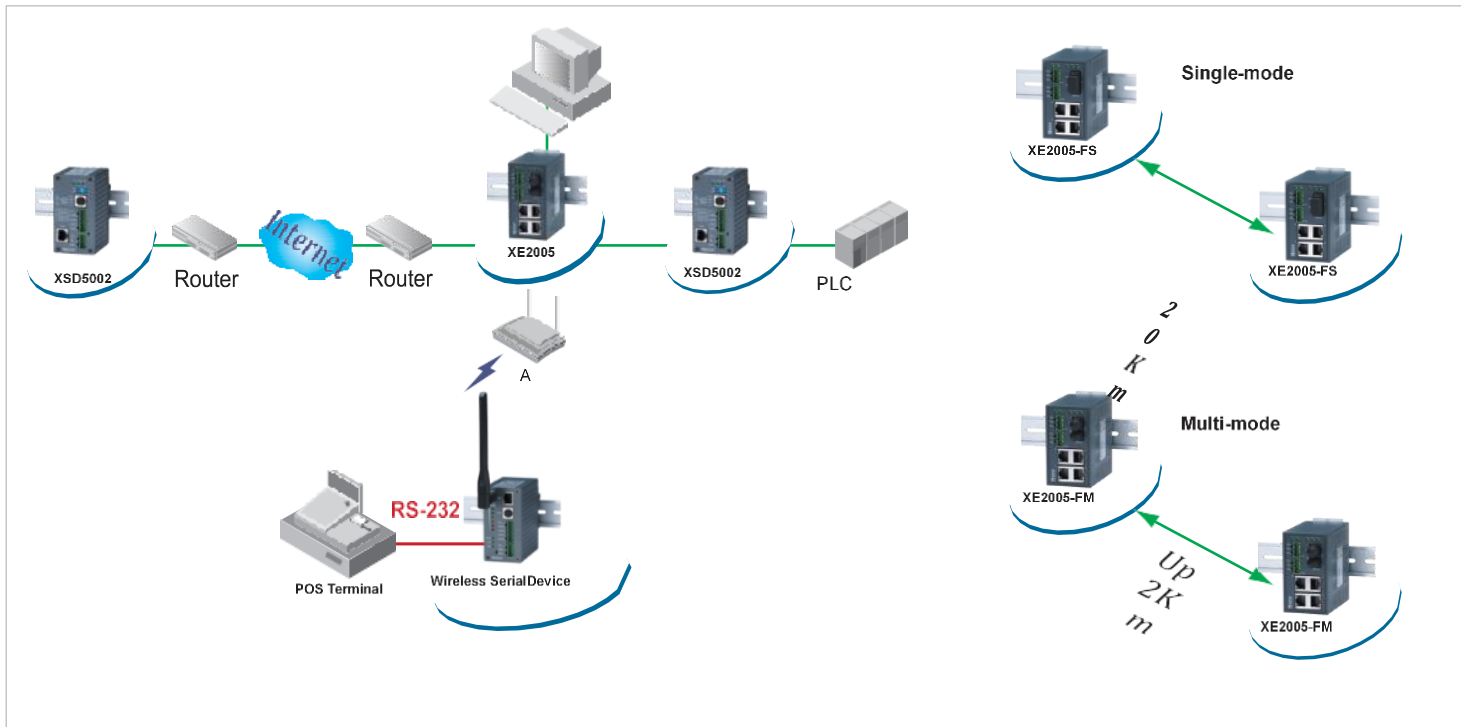
OPTICAL FIBER SPECIFICATIONS

| Optical Fiber Specifications | | |
|------------------------------|----------------------------------|---------------------|
| Speed | Fast Ethernet 100BaseFX | |
| Mode | Multi-mode | Single-mode |
| Connectors | ST | SC |
| Typical Distance | 2Km(Max) | 20Km(Max) |
| Cable Size Core /Cladding | 62.5/125 um | 9/125 um |
| Wavelength | 1270(Min)~1360(Max) nm | 1263(Min)~1360(Max) |
| Max. TX Power | -14 dBm | -8 dBm |
| Min. TX Power | -19 dBm | -15 dBm |
| RX Sensitivity | -34 dBm(Typical) -32 dBm(Max) | -32 dBm(Max) |
| Link Budget | ---- | ---- |
| Saturation / Overload | ---- | ---- |
| Typical Budget | ---- | ---- |





DIMENSIONS & LAYOUT



ORDERING INFORMATION

| Ordering Information | |
|----------------------|--|
| Model Name | Port Interface |
| XE2005-FM | Industrial 5-port Unmanaged Ethernet Switch with 4x 10/100TX & 1x 10/100FX, multi-mode |
| XE2005-FS | Industrial 5-port Unmanaged Ethernet Switch with 4x 10/100TX & 1x 10/100FX Single-mode |
| XE2006 | Industrial 6-port Unmanaged Ethernet Switch with 6x 10/100TX |

| Optional Accessories | |
|----------------------|--|
| Accessories Type | Description |
| XW Power Adapter | XPA-315-12-Y-LV6-US: Y-Type power adaptor, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6 |
| | XPA-315-12-Y-LV6-EU: Y-Type power adaptor, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6 |





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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