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Newsletter

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The CTC Union IPR-AG2404XSM-8C Series is an IEC 61850-3 and IEC 62443-4-2 certified industrial Layer 3 managed 10G Ethernet switch designed for smart grids, digital substations, and power utility networks. Combining 10G fiber aggregation, PRP/HSR seamless redundancy, precise time synchronization, and industrial cybersecurity, it delivers secure, reliable, and uninterrupted communications for mission-critical power applications. With high-density Gigabit connectivity and advanced Layer 3 routing, the series simplifies network integration, strengthens network resilience, and supports scalable substation automation infrastructure...**(more)**

New Product

IEC 61850-3 10G Ethernet Switch

IPS-AG2404XSM-8C

24x GbE RJ45 (with 8x Combo RJ45/SFP) + 4x 1G/2.5G/10G SFP+

The CTC Union IPS-AG2404XSM-8C Series is an IEC 61850-3 compliant industrial 10G Ethernet switch designed for smart grids, digital substations, and power utility networks. Combining high-speed connectivity, seamless redundancy, and industrial cybersecurity, it delivers reliable and secure communications for mission-critical power applications.





Key Features & Benefits:

- **IEC 61850-3 Compliance** – Ensures reliable operation in demanding power utility environments.
- **PRP/HSR Seamless Redundancy** – Enables zero-recovery-time network failover for uninterrupted communications.
- **4 × 10G SFP+ Uplinks** – Provide high-speed fiber aggregation for bandwidth-intensive applications.
- **28 Ethernet Ports** – Offer high-density and flexible copper/fiber connectivity.
- **Precise Time Synchronization** – Supports accurate timing for critical substation operations.
- **Industrial Cybersecurity** – Strengthens network protection through secure management.

▸ more

Highlight Products



The CTC Union IGR-A804XSM-8PH is an industrial Layer 3 cyber-hardened managed PoE+ Ethernet switch designed for secure, high-speed connectivity in mission-critical networks. Featuring 8 Gigabit PoE+ ports (30W per port) and 4 multi-rate 100M/1G/2.5G/10G SFP+ slots, it delivers reliable PoE power, high-bandwidth 10G fiber aggregation, and flexible network deployment. Its fanless design, 4kV surge protection, wide-temperature operation, and redundant power inputs ensure dependable performance in harsh industrial environments.

Combining Layer 3 networking, 10G fiber connectivity, and enhanced cybersecurity, the IGR-A804XSM-8PH simplifies PoE device deployment, reduces network bottlenecks, and strengthens network resilience. It is ideal for AI-powered surveillance, factory automation, intelligent transportation, utilities, and critical infrastructure requiring secure, high-performance industrial networking...**(more)**



As smart grids and IEC 61850-based substation automation evolve, precise time synchronization is critical for reliable power network operations. Accurate timing ensures consistent Sequence of Events (SOE) records, enhances fault analysis, and supports coordinated protection and monitoring.

CTC Union's IGS-1608SM-SE-8PH integrates SyncE and IEEE 1588 PTP v2 to deliver high-precision time synchronization, resilient network connectivity, and industrial-grade reliability for mission-critical power utility applications...**(more)**

Exhibition



Asia-Pacific Smart Rail Trend Forum (Secutech 2027)

Date: 21 - 23 April 2027

Venue: Taipei Nangang Exhibition Center Hall 1

Booth No.: 1106

We look forward to working together to build a safer and more reliable railway connectivity environment. Join us at Secutech 2027. See you there!

Hot Products



ITR-AG804TM-8PHE-WVi

EN50155 Cyber-Hardened Managed PoE Switch

▸ more



IXR-G24044X-24PH

Industrial Layer 3 PoE Switch

▸ more



IGR-1604XSM-16PH

Industrial L3 10G PoE Switch

▸ more



IGR-A804SM-8PH24

Cyber-Hardened Managed GbE PoE Switch

▸ more



XGS-1208SE

L2+ Managed 10G Switch with SyncE/PTP

▸ more



MSW-4204SE

10G NID with SyncE/PTP

▸ more



GSW-3100C

10G CPE Switch

▸ more



FRM220-100GE-2Q

100G Transponder Card

▸ more

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