

Microsecond Sync, Zero Error

Industrial SyncE Switch Protects Power System Stability and Safety



In the smart grid and IEC 61850 substation automation world, every microsecond counts. Even slight synchronization drift can trigger protection relay errors or delayed fault isolation—impacting system stability or, in worst cases, causing large-scale blackouts.

The IGS-1608SM-SE-8PH Industrial SyncE Switch from CTC Union Technologies delivers point-to-point microsecond-precision timing, supporting SyncE and IEEE 1588v2 PTP for seamless coordination across protection systems, Process Bus, PMU, and SCADA. With 16 Gigabit RJ45 ports and 8 fiber ports, it ensures long-distance, high-bandwidth, low-latency transmission. Ruggedized for industrial use and wide-temperature operation, it thrives in the toughest power plant and substation environments...(more)

New Product

The industrial cyber-hardened managed PoE switch IGR-A804SM-8PH(-24) features Layer 2 and Layer 3 switching capabilities for advanced routing and efficient network segmentation. It provides 8 Gigabit PoE+ ports (IEEE 802.3af/at, up to 30W) and 4 multi-rate 100M/1G/2.5G SFP slots for flexible fiber connectivity. Designed for harsh environments, it supports finless operation, wide temperature range, 4KV surge protection, and 48VDC(or 24/48VDC) redundant power input, ensuring reliable performance for industrial automation, transportation, and utility networks...(more)

Cyber Hardened L3 Managed PoE Switch

IGR-A804SM-8PH & IGR-A804SM-8PH24

8x GbE RJ45 + 4x 100M/1G/2.5G SFP with 8x PoE 240W, 48VDC
8x GbE RJ45 + 4x 100M/1G/2.5G SFP with 8x PoE 180W, 24/48VDC



Key Features

- L3 IPV4/IPV6 Static Routing, RIP v1/v2 Dynamic Routing, OSPF v2/v3 Dynamic Routing
- Fanless design with high MTBF for long-term reliability
- Wide operating temperature support
- Redundant power input: 12/24/48VDC
- Suitable for heavy-duty industrial, military and utility applications

► more

Related Products

Cyber-Hardened L3 Managed GbE Switch

IGR-A804SM

8x GbE RJ45 + 4x 100M/1G/2.5G SFP



Industrial L3 10G PoE Switch

IGR-1604XSM-16PH

16x GbE RJ45 + 4x 1G/2.5G/10G SFP+ with 16x PoE 300W



Key Features

- IPV4/IPV6 Static Routing, RIP v1/v2 Dynamic Routing, OSPF v2/v3 Dynamic Routing
- Compliant with the IEC 62443-4-2 Industrial Cybersecurity Standards
- Supports µ-Ring, ERPS, APS, MRP, MSTP, RSTP, STP for Redundant Cabling
- EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC Certified
- 4KV Surge Protection for RJ45 and SFP Ports Supports Secure Boot

► more

Key Features

- 48VDC (46~57VDC) redundant dual input power, 55-57VDC input is recommended for environment 75°C application
- IPV4/IPV6 Static Routing, RIP v1/v2 Dynamic Routing, OSPF v2/v3 Dynamic Routing
- Compliant with the IEC 62443-4-2 Industrial Cybersecurity Standard
- Supports ERPS, EPS, MSTP, RSTP, STP for Redundant Cabling
- µ-Ring for redundant cabling, recovery time<10ms in 250 devices

► more

Event



日期(Date) : 2026/4/22~24

地點(Location) :

南港世貿1館 Taipei Nangang Exhibition Center Hall 1

攤位(Booth No.) : K26 (AI Innovation Applications Zone)

Register

報名

More Information

詳細資訊

Product End-of-Life Notice

CTC Union appreciates and values your business. We are writing this letter to inform you of an upcoming end of life (EOL) on the following items. The below items are going to be discontinued due to phase out of key components or other reasons. Should you have any questions, please feel free to contact your CTC sales representative or email to sales@ctcu.com. For more information about the CTC End-of-Life products, please go to www.ctcu.com

Model Name	Issue Day	Last Buy	Substitute Model
FMUX04A	2026/02/09	None	FRM220-GFOM04+CH02M
FMUX1600, FMUX80	2026/01/14	None	None
FRM220-OAB21A FRM220-OAP17	2025/11/17	None	FRM220-OAB21 FRM220-OAP10

Exhibition



Event Date: 6/2~6/5

Locatoin: Taipei, Taiwan

Booth No.: K1207,
Nangang Exhibition Center, Hall 1



Event Date: 9/22~9/25

Locatoin: Messe Berlin, Germany

Booth No.: Hall 4.1, Stand 120

Hot Products



[IPR-MG2404XS](#)

IEC61850-3 L3 Ethernet Switch

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[IXR-G24044X-24PH](#)

Industrial Layer 3 PoE Switch

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[IGR-1604XSM-16PH](#)

Industrial L3 10G PoE Switch

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[IQS-402XSM-4PH](#)

Managed 2.5G/10G PoE Switch

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[ICR-W402A](#)

4G & WiFi Router

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[ITP-500A](#)

EN50155 Ethernet Switch

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[ITP-802GT-8PH24](#)

EN50155 PoE Switch

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[IFC-BT40](#)

4 Channel Binary Transducer

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2026
Product Catalog



Product Inquiry