

Press Release

Prevent Traffic Safety Risks Before They Happen! CTC Union to Showcase Resilient Smart Transportation Solutions at ITS California 2026

Taipei, Taiwan —The annual ITS California (ITSCA) Conference & Exhibition will be held from September 27 to 30, 2026, at the Sacramento Convention Center in Sacramento, California, USA. As a premier event for intelligent transportation systems in California, ITSCA brings together government agencies, transportation operators, and industry experts to discuss key topics such as smart transportation infrastructure, system connectivity, network reliability, and cybersecurity.



September 27-30, 2026
Sacramento Convention Center, CA, USA

Booth no. 314
Secure Networking for Intelligent Transportation

- IEC 62443-4-2 Certified
- Easy Deployment
- EN45545-2 Fire Safety

Compliant 

To meet the needs of smart transportation systems operating in diverse and challenging environments, CTC Union will showcase seven networking products at the exhibition. These products are designed for transportation backbone networks, smart roadside facilities, and rail communication applications, helping transportation operators build high-bandwidth, reliable, and secure communication networks.

IXR-G24044X-24PH | Connect Large-Scale ITS with an L3 Backbone Network

With 24 PoE ports and a 400W PoE power budget, the IXR-G24044X-24PH can simultaneously connect multiple roadside devices. Its four 10G high-speed interfaces can quickly send large amounts of video and AI analysis data back to the traffic control center, making it suitable for large scale ITS backbone and aggregation networks.

IGS-A402SM-4PB | Cybersecurity for High-Power Smart Roadside Devices

Supporting up to 90W PoE++ power per port, the IGS-A402SM-4PB can connect high-power cameras, wireless access points, and other smart roadside devices. Built-in cybersecurity features help protect connected devices and strengthen the security of transportation infrastructure networks.

IPS-AG804SM-HPR | Seamless Redundancy for Enhanced Network Resilience

The IPS-AG804SM-HPR supports PRP/HSR seamless redundancy protocols, helping keep communications running when a network failure occurs. Combined with cybersecurity features, it helps keep critical transportation and infrastructure networks stable and connected.

ITP-AG804TM-8PHE24i | Reliable Network for Harsh Railway Environments

The ITP-AG804TM-8PHE24i uses M12 connectors and is certified to the EN 50155 standard for railway equipment. It can withstand vibration, shock, and temperature extremes during train operation, providing reliable and secure network connectivity for rail transportation.

INJ-IX01-PB | 10G PoE++ Injector for Flexible Network Upgrades

With 10G data transmission and 90W PoE++, the INJ-IX01-PB allows high-power devices to be added without replacing existing network equipment, making it easier and more flexible to upgrade existing networks.

IMC-1001CS | Flexible Copper-to-Fiber Conversion for ITS Devices

The IMC-1001CS provides one GbE RJ45 electrical port and one 100/1000Base-X SFP fiber port, allowing flexible conversion between copper and fiber Ethernet connections. Its compact size, fanless design, and strong metal housing make it suitable for smart transportation and other harsh outdoor industrial environments.

FRM220-CH08 | Flexible Multi-Interface Platform for ITS Applications

The FRM220-CH08 uses a 1U, 8-slot modular chassis that supports various interface cards for optical transmission, Ethernet, data communication, and TDM/voice applications. The interface cards, power supplies, fans, and management modules support hot swapping. It also provides redundant power and centralized management, helping integrate diverse



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transportation communication interfaces while making system maintenance easier and improving reliability.

As edge AI is increasingly deployed in roads and transportation facilities, smart transportation networks require higher data transmission efficiency and reliability, while also facing growing cybersecurity risks. With complete and reliable networking solutions that meet international cybersecurity standards, CTC Union helps transportation operators build resilient communication infrastructure, support real-time data analysis and proactive traffic management, and advance road safety from reactive post-incident response toward early warning and proactive prevention.

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About CTC Union

Founded in 1993, CTC Union Technologies is a leading manufacturer of networking and communication equipment with ISO 9001 and ISO 14001 certifications. With in-house R&D and manufacturing capabilities, the company develops solutions aligned with IEC 62443 cybersecurity standards to enhance network security across industries.

CTC Union offers a comprehensive portfolio of industrial Ethernet, PoE, and certified networking solutions designed for harsh environments, including EN50155 and E-Mark compliant products. Leveraging over 30 years of experience, the company delivers reliable network access and FTTP CPE solutions worldwide, serving as a trusted partner in global connectivity.