

ARTICLE
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Modernising Industrial IoT Connectivity: ELPRO Condor 415U-2 I/O Gateway



The ELPRO Condor 415U-2 I/O Gateway, is a game-changer in the field of Industrial IoT (IIoT) connectivity. With its latest update boasting MQTT and Sparkplug support, this gateway stands out as a beacon of innovation, bridging the gap between traditional industrial infrastructure and the digital age.

The Condor 415U-2 brings forth a new era of connectivity by enabling direct IIoT integration at the heart of industrial operations. Equipped with MQTT and Sparkplug protocols, it facilitates seamless communication between sensors, actuators, and control systems, all while ensuring the utmost reliability and security.

One of the standout features of the 415U-2 is its data throughput, reaching up to an industry-leading 140kbps at a 25kHz channel. This impressive capability, coupled with efficient context-based data compression, ensures optimal performance even in sprawling industrial environments. The gateway offers flexibility with six frequency bands, catering to diverse industrial applications.

Designed to withstand industrial settings, the 415U-2 boasts advanced cybersecurity features, protecting against cyber threats. With event logging and improved configuration software, setting up secure networks has never been more seamless.

What truly sets the 415U-2 apart is its versatility. Acting as both a wireless networking I/O node and a gateway, it extends communication to remote or hard-to-reach locations with ease. Whether indoors or outdoors, the gateway's robust and secure two-way wireless communication ensures reliable operation, even in the harshest environments.

The 415U-2 offers a cost-effective solution for remote data gathering and control. Its combined I/O, IIoT gateway, and modem platform eliminate the need for a full RTU/PLC in certain scenarios, reducing implementation costs without compromising on functionality. For sites with existing RTUs, the gateway seamlessly integrates with the 415U-E Ethernet radio, providing a unified solution for device connectivity.





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The ELPRO Condor 415U-2 I/O Gateway represents a significant leap forward in industrial IoT connectivity. With its MQTT and Sparkplug support, advanced features, and rugged design, it empowers industrial operations with unparalleled efficiency, reliability, and security. As industries continue to embrace digital transformation, the 415U-2 stands ready to lead the charge into a connected future.

Are you prepared to modernise your industrial operations? Grab this chance to optimise your processes and maintain a competitive edge in the market. Reach out to our experienced Triple i Sales Team today and embark on the journey towards a more interconnected future ELPRO Technologies.

Visit <https://www.triplei.com.au/sales/iiot-solutions/> for more information.



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