
Advancing industrial digital transformation with Moxa know-how

Moxa at SPS on air 2021 – Digital and On-demand

Unterschleissheim, November 19, 2021 — Moxa, a leader in industrial networking and communications, will now shine a spotlight on a number of innovations at SPS on air 2021 (23-25 November, Nuremberg, Germany) only.

Due to the recent development of the COVID-19 infections in Bavaria, Moxa Europe is withdrawing its on-site presence at SPS. Moxa Europe will continue to participate in the accompanying digital event "SPS on air" and will be available to visitors via the digital networking platform. "We did not take the decision lightly, as the direct exchange with our customers and partners are very important to us. For this very reason, it is only logical to take the rapidly increasing incidence values into account and put the health protection of our visitors and employees first," says Jens Holzhammer, General Manager of Moxa Europe.

Visitors of Moxa's presence at SPS on air and on Moxa's event platform <https://moxa-europe.com/sps> will discover a comprehensive portfolio of reliable and secure solutions between sensor and cloud, designed to make the digital transformation journey both easy and safe.

Live presentations

Moxa will host 'IIoT ExpertTalks' that will be streamed live on Moxa's event platform. Topics will include analytics, machine learning, remote monitoring, and control and maintenance.



Register here: <https://moxa-europe.com/lp/sps-experttalks/>

As a manufacturer of industrial networking, connectivity and computing products, Moxa provides an optimized IIoT toolkit. For today's sensor-to-cloud applications, the company works intensively with notable industry partners to make IIoT projects simple, fast, and scalable. Moxa will jointly present end-to-end solutions that address real use cases along the road to digital transformation.

IIoT gateway for cloud integration

Prime among the technology showcases will be Moxa's ThingsPro Edge software platform, which works with the company's intelligent IIoT edge gateways to simplify the development of robust and secure data-acquisition solutions from operational technology (OT) devices to popular IT-based cloud platforms such as Azure or AWS. The gateways can also serve more specialized platforms like Deutsche Telekom Cloud of Things, TeamViewer IoT Cloud, and Schneider Electric's EcoStruxure Machine Advisor.

Designed for remote monitoring and telemetry applications in sectors that include rail, power, marine, and oil and gas, these compact IIoT edge gateways are equipped with Intel x86 or ARM-based processors that provide reliable wireless connectivity in extreme-temperature environments. The gateways are designed for long-term operation and come with a rich variety of Moxa proprietary utilities, libraries, and tools to accelerate IIoT application development.

Of course, over time, more and more data processing will move from the cloud to the edge. Here, Moxa provides an increasingly wide range of edge computers as a platform for machine learning and analytics at the edge, with the MC-1200 and V2406C product lines representing the latest portfolio additions. The company is working with partners like Robotron, Keeper and other experts in AI at the edge.

Industrial cybersecurity solution

Security is of course a hot topic in any industrial digital transformation project. Moxa will show how it can secure OT networks with OT-IT integrated security. The company's Industrial Cybersecurity solution now enables system integrators and machine builders to benefit from powerful intrusion prevention systems (IPS) that to date have only been part of a system-wide protection offer.

With EtherCatch IEC-G102-BP, a cigarette box-sized rugged IPS appliance, it is possible to protect critical machines or vulnerable legacy assets directly, while larger sets of assets can be segmented with EtherFire IEF-G9010, a next-generation firewall based on the same IPS technology. The accompanying Security Dashboard Console (SDC) IPS management software, together with Moxa's unique MXview IEC-62443-perceptive network management software, provides a comprehensive way of maintaining the targeted IACS security level.

Secure network infrastructure

As a trusted partner in automation, Moxa will also showcase its latest all-in-one industrial secure router for safeguarding industrial applications. The new EDR-G9010 is a series of industry-certified

firewall/NAT/VPN/switch/routers that act as a robust first line of defense for industrial networks in diverse applications such as smart manufacturing and critical infrastructure. Offering 10-port GbE performance and defense-in-depth security capabilities, the EDR-G9010 fulfills the needs of bandwidth-hungry applications requiring field-proven reliability and multi-layered security.

Notably, the high computing power of the EDR-G9010 platform enables it to run an intrusion prevention module (IPM), which will safely block ransomware, malware, viruses, and other cybersecurity threats in OT networks. This signature-based scanning technology moves traffic filtering and asset visibility in OT networks to an unprecedented level. Licensed on demand, the module will be available by mid-2022.

About Moxa

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things. With over 30 years of industry experience, Moxa has connected more than 71 million devices worldwide and has a distribution and service network to serve customers in more than 80 countries. Moxa delivers lasting business value by empowering industries with reliable networks and sincere service. Information about Moxa's solutions is available at www.moxa.com.

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