

Device-cloud Synergy That Accelerates Intelligent Digital Transformation in Industries



Moxa Edge Intelligence Solutions



Advanced IloT Gateways

- AIG-300 Series: Compact Arm-based IloT gateways specifically designed for space-critical automation applications
- AIG-500 Series: x86 IloT gateways that offer a reliable edge computing solution for oil and gas, heavy industry, and transportation applications
- ThingsPro Edge software platform preloaded for instant management of on-site assets
- Seamless Azure IoT Edge integration for reliable and fast cloud connectivity



ThingsPro Edge

- Integrated data capture and device management solutions to simplify IloT deployment
- Azure IoT Edge preinstalled; no software development needed
- Azure IoT devices, Azure IoT Edge, AWS IoT Core, Sparkplug, and MQTT client support
- Web GUI for remotely monitoring device configuration and data visualization



Device Life-cycle Management (DLM) Service

- Easy and secure connections to remote devices
- Device status dashboard to monitor the health of hundreds of IloT gateways and immediately detect anomalies
- Device upgrades with scheduled and real-time remote batch software updates and patch releases to ensure devices have the most up-to-date configuration

Moxa IloT Gateways Pave the Way for Edge-to-cloud Data Aggregation

When embracing the new era of the Industrial Internet of Things (IIoT), many system integrators and engineers face the critical challenge of finding a secure and reliable IIoT-gateway solution that offers regular security patches to remedy system vulnerabilities in a timely manner. Moxa's cloudy-ready intelligent IIoT gateways are designed to offer device intelligence and ensure that OT device data can be safely and reliably transmitted to cloud services, such as the Azure cloud platform, to meet different market demands, including:

- Complete integration without using the Process Control Network (PCN) and firewalls ensures network availability
- No requirement of Management of Change (MOC) procedures eliminates the risk of lower reliability
- Integration with Azure IoT Edge: Moxa's IIoT gateway can leverage edge data computing to only upload essential data to the cloud, significantly reducing data transmission cost
- Processing and filtering of field data in real time: The software that runs on Moxa's IIoT gateways can process and filter field data in real time to send to the local HMI or to the cloud
- Data analysis workloads can be offloaded from the cloud to the edge

Moxa—Your Trusted Partner

Moxa is committed to technology innovations to provide a wide portfolio of solutions for our customers and partners. With our reliable Industrial IoT solutions, customers can achieve success in the IIoT era. AIG Series IIoT gateways can be completely integrated with Azure IoT Edge to streamline OT data transfer from PCNs and various sensors to IoT Edge modules. Meanwhile, by offering intuitive and easy-to-use user interface, ThingsPro Edge greatly simplifies the configuration and provides real-time visibility. The overall development efficiency is enhanced by more than 3x compared to conventional ways of manual configuration and editing configuration files.

