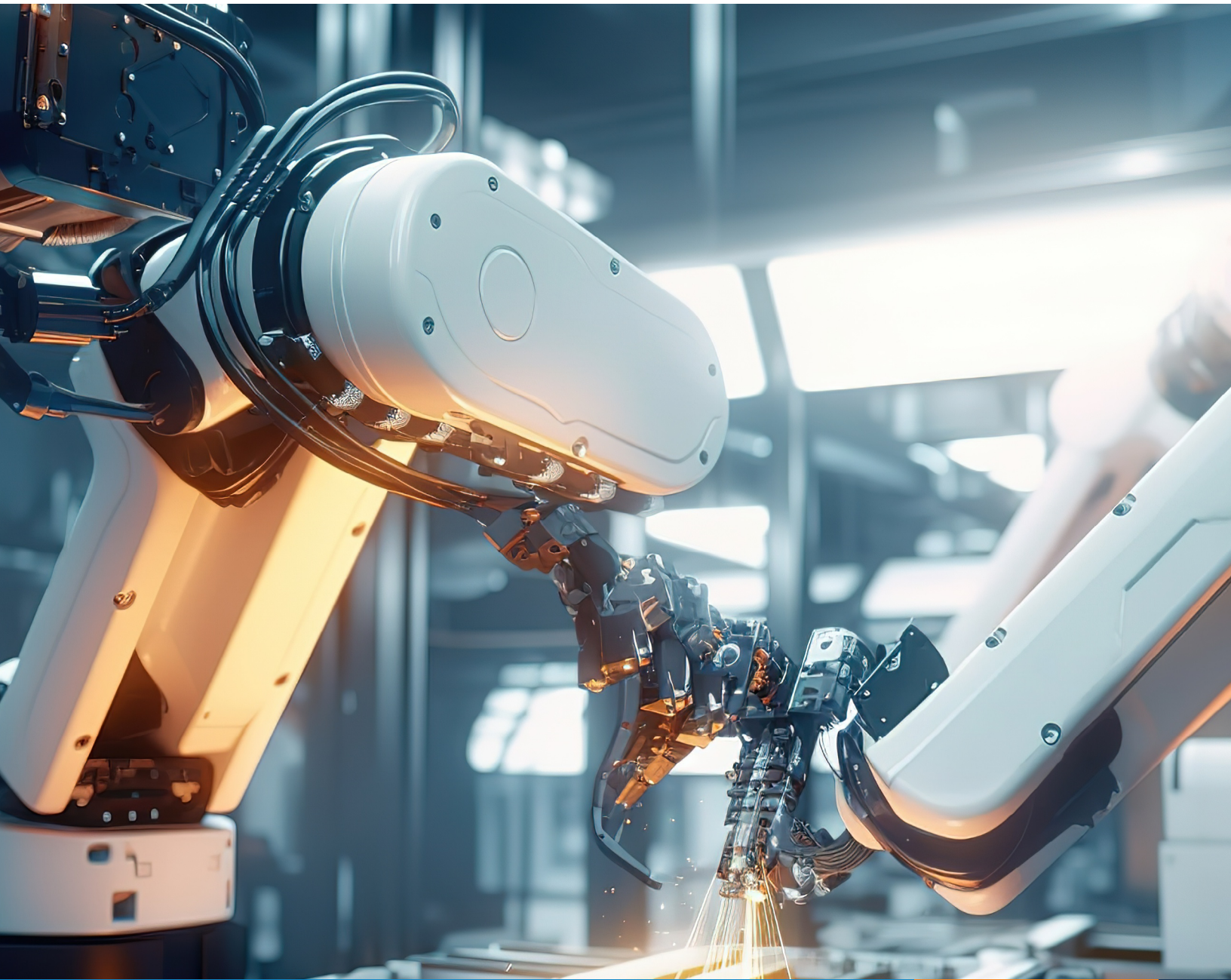
ONLOGIC

Solutions for Factory Automation

Reliable computer hardware to help power machine learning, machine vision, quality inspection, advanced robotics, and AI-enabled automation.





Impact of AI on Industrial Automation

Turn raw data into business value

- Effectively trained AI models can transform an overwhelming amount of data into actionable insights faster than ever before.

Improve product quality

- AI models can be deployed to identify and take programmed actions on product defects to prevent shipping imperfect goods and to inform production improvements.

Accelerate productivity

- Modeling your production process can identify opportunities to improve efficiency and eliminate process waste.

Optimize Predictive Maintenance

- Derive insights from maintenance trends and business-impacting downtime to optimize service schedules and maximize throughput.

Factory Automation Computers Engineered to Last

Manufacturers are constantly juggling innumerable variables to maximize throughput and minimize waste. Effectively capturing, analyzing and acting on the data being generated by facilities full of equipment is key to those goals. Every operation is unique, but in all cases the systems that power factory automation solutions must be reliable, flexible, and scalable.

Production environments are notoriously rough on electronics. Airborne contaminants, extreme temperatures, vibration, impact forces, and electromagnetic interference can all wreak havoc on sensitive computing equipment. The increasing number of devices on the average factory floor means that any automation implementation is only as strong as its weakest link. Consumer, and even commercial grade computer systems simply aren't engineered, or certified, to withstand the average manufacturing environment.

In addition, the hardware required to power automation at, for example, a pharmaceutical plant may differ significantly from that found at a kitchen cabinet manufacturer. At the same time, not every automation challenge within each of those facilities may benefit from the exact same hardware solution. Factory automation hardware must be configurable and customizable, from processing power, memory and connectivity, to its form factor and expansion capabilities.

And that capability for expansion plays a key role in ensuring that any modern factory automation solution can be deployed at scale. The business value provided by automated quality control, autonomous warehousing robotics, predictive maintenance, intelligent facilities management and other potentially AI-powered technologies must be able to scale with the growth of your business. The hardware running those solutions has to be equally as scalable.

In business critical applications, the software elements at the heart of these technology advancements must have dependable, stable, and available hardware to run on. OnLogic's industrial computing solutions provide that stable platform, mitigating the risk of system downtime or failure due to mechanical issues. Our team of industry experts have helped the world's most well known innovators on their digital transformation journey and are ready to help you do the same.



Hardware for factory automation

Highly Configurable

Available Custom Imaging

Built & Shipped Fast

5+ Year Lifecycles

Options to overcome your technology challenges

Need edge AI computing for robotics, industrial IoT or other space-constrained installations? Explore our line of NVIDIA Jetson-powered fanless systems, which range from compact, ultra-efficient gateways to powerful, high-end computing solutions.

- Compact form factor
- Low power consumption
- Wide operating temperature range
- Optimized for edge AI



[Explore Jetson Hardware >]

Working in a challenging manufacturing environment that requires powerful computing in a compact form factor with the ability to scale to your needs? Our Helix, Karbon and MC Series of industrial and rugged computers are perfect for automation and AI inference workloads.

- Highly configurable with discrete GPU options
- Engineered for extreme environments
- Fanless, hybrid-fanless or active cooling



[Explore Industrial & Rugged Hardware >]

Need high-computing power and multi-GPU capabilities for AI model building or high-speed data aggregation? Our Axial line of edge servers is the perfect fit.

- High performance compute
- Rackmount form factor
- Huge range of configuration options



[Explore the Axial Series >]



Advance Your Ideas OnLogic

Who We Are

Here at OnLogic, we create highly-configurable small form factor computers that thrive where others fail. We collaborate with innovative companies around the world, working together to solve their most complex technology challenges. Our consultative approach combined with a powerful online platform, our quick-turn production capabilities, and modular hardware design, can help make the impossible possible.

Where We Are Deployed

OnLogic computers are used in many of the most challenging environments on earth. Our systems stand up to shock, vibration, extreme temperatures, and airborne debris. We engineer technology designed to last wherever you need it.

Industrial Automation

Machine Learning

Edge Computing

Embedded Applications

How We're Different

We engage directly with customers and work together to overcome their challenges by:

1. Identifying the right-fit solution through consultative problem solving
2. Reducing time to market thanks to proven market ready solutions
3. Ensuring compatibility with preloaded partner software
4. Minimizing lead times with systems built and shipped in days

Learn more about our Integrator Program

The Onlogic Integrator program provides a fast and easy way for systems integrators and solutions providers to configure and purchase industrial computers.

As part of our Integrator Program, you get:

- Integrator discounts on all OnLogic hardware
- Annual rewards for exceeding annual purchase commitments
- Customer story bonus and other comarketing opportunities

Interested? Learn more here.