

## Emerson's IPCs: Next-Gen Industrial Computing

**Powering industrial innovation with rugged reliability, next-gen AI performance, and adaptable intelligence.**



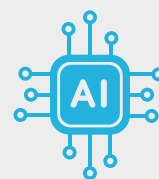
### Keep machines running — without interruption and zero-throttling.

Maintain continuous uptime and consistent peak performance with a rugged, industrial-grade IPC design that withstands vibration, electrical noise and temperature extremes without throttling — supporting reliable, hands-free operation over years of service.



### Run AI workloads at the edge — without cloud induced latency

Accelerate AI-driven insight with next-gen IPCs engineered to deliver the compute performance demanding AI workloads require, even in air-gapped environments — without compromising real-time responsiveness or reliability.



### Easily scale and adapt systems as needs change.

With flexible IPC performance ranging from edge processing to advanced analytics, Emerson's IPCs enable OEMs to deploy and scale IIoT solutions — processing complex data locally for faster insight, supporting secure remote monitoring, and contextualizing data for seamless integration with IT applications.



# Empowering the Future of Industrial Automation

Built to run in conditions where insight matters most, Emerson's IPCs deliver reliable, long-term high-performance compute at the edge for demanding operational environments.

## Ensure Unwavering Reliability

- **Designed for Temperature Extremes:** Delivers consistently high, 100% rated CPU and GPU performance across a full operating temperature range (-40°C to +70°C) through patented thermal management.
- **Maintenance Free, Fanless Design:** No moving parts including a fanless design ensure multiple years of dependable performance and extended product availability.
- **Vibration and Shock Tolerant Operation:** Designed to maintain flawless function and a 10-year in-service lifecycle to assure continuous operation in challenging industrial environments despite extreme conditions.

## Deliver Unparalleled Performance for Industrial AI Workloads

- **Six-Generation Leap:** Experience 3x compute and graphics, 5x storage, and up to 8x expansion over prior systems with 13th-gen Intel® processors, LPDDR5 DRAM, and PCIe 5.0.
- **On-Premise AI:** Execute vision applications (quality inspection, safety) and predictive maintenance directly at the edge, reducing latency and data costs.
- **Integrated AI Capabilities:** Leverage built-in GPUs and support for M.2 or PCIe AI accelerator modules for diverse workloads.
- **Faster Time-to-Value:** Achieve rapid initial project success and minimize implementation risks with pre-validated AI software platforms, significantly reducing engineering costs and resource demands.

## Future-Proof with Flexible Intelligence

- **Multi-OS Support:** Deploy the right operating system while preserving software investments and reducing redesign effort.
- **Field Upgradeable:** Easily add new functionality and adapt to evolving demands by installing PCIe cards into slot extensions.
- **Accelerated IIoT:** Jumpstart IIoT applications with pre-installed PACEdge™ software, providing a ready-to-use, containerized platform for insights.
- **Industrial Edge Connectivity:** Native support for OPC-UA™, PROFINET™, Ethernet/IP, Modbus TCP and TSN enabling network enables seamless integration into any communication architecture.
- **High-Bandwidth Connectivity:** Features 2.5Gbit Ethernet, Wi-Fi 6/6E, Thunderbolt® 4, and 40-Gbit USB-C for rapid data flow.
- **Scalable AI Power:** Built-in GPU and expansion slots support complex IIoT data processing and advanced analytics at the edge.

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## Three Series. One Architecture.

### Efficiency



**6000 Series IPCs**  
Edge Performance Series

### Balance



**7000 Series IPCs**  
Industrial Workstation Series

### Performance



**8000 Series IPCs**  
AI & High Performance Series

## Online Configurator



**Click here or scan the QR code to access our online configurator where you can tailor a flexible solution that scales as needs change.**



**Go Boldly™**