

CONTROLLEDGE PLC FOR OEMS



Honeywell



ControlEdge programmable logic controller (PLC) provides secure IIoT-ready connectivity with tight integration to devices and systems from multiple vendors. The first PLC to offer Universal I/O, ControlEdge uses the OPC UA protocol and has built-in cybersecurity. Designed to work with any SCADA system, it becomes a superior solution combined with any Experion® variant.

A NEW GENERATION OF CONTROLLERS

Honeywell's new PLC is part of the ControlEdge™ family, a next-generation family of controllers providing unprecedented connectivity through all levels of process and business operations. The result is optimized operations and maintenance efficiencies that liberate personnel from manual processes.

ControlEdge™ PLC combined with Experion® provides secure connectivity and tight integration to devices and systems from multiple vendors - with easy configuration, efficient operations, and reduced maintenance. Designed to work with any SCADA system, it becomes a superior solution using Experion and Experion SCADA, leveraging common HMI, plus LEAP™ project execution. ControlEdge uses OPC UA, Profinet, and EtherNet/IP protocols and built-in cybersecurity for smooth integration to a range of instruments, equipment and software from multiple vendors. The first PLC to offer Universal I/O, ControlEdge provides remote configuration and late design change flexibility for improved project implementation. Honeywell delivers superior integration and efficiency across both DCS and PLC applications.



BENEFITS

OPC UA

Built on a proven and capable platform, ControlEdge provides an IIoT-ready open platform that enables users to better leverage data across their assets. The OPC UA protocol offers smooth integration while providing built-in cybersecurity. Interoperable multi-level and multiplatform open communication provides flexible and scalable design, enabling standardization with less hardware. Machine to machine communication (M2M) helps optimize production and supply chain.

An IIoT-ready platform enables more direct access to cloudbased applications for visualization and analytics. With direct access and reduced gateways, ControlEdge provides investment protection and easier maintenance, and therefore reduced cost and risk. Cloud connectivity also enables equipment performance monitoring through the OEM cloud to improve product quality and reliability.

Experion Integration

Designed to work with any SCADA system, ControlEdge PLC becomes a superior solution when combined with any variant of Experion®. The additional advantage to using Honeywell is that we provide both DCS and PLC through a single vendor with seamless support. Coordination is easier with fewer teams and direct access to system knowledge, resulting in faster system setup, testing, and troubleshooting. The overall risk is reduced with fewer elements to manage

and a single point of responsibility. Better integration reduces both risk and cost with fewer coordination errors, less engineering, faster installation, less training, and reduced hardware.

For end users, operator effectiveness is increased and risk is diminished with a leaner control room. Common hardware for PLC and Experion means fewer operator and engineering stations, less hardware and wiring, reduced IT licensing and less training with a common operator interface. The end user benefits from reduced cost over the lifecycle with lower footprint and easier maintenance.

Connectivity Options

Built-in support for Industry standard protocols such as Modbus, EtherNet/IP, DNP3, PROFINET and HART-IP provide smooth integration to a range of instruments, equipment and software from multiple vendors.

Universal I/O

ControlEdge is the first PLC to offer Universal I/O, providing remote configuration and design change flexibility for improved project implementation. Universal I/O enables the entire cabinet to become a standard part, with I/O channels quickly configurable to allow modules to serve as analog or digital and as input or output.

Engineers can quickly accommodate late configuration changes remotely using a simple software tool.

Built-in HART-enabled Universal I/O means no additional hardware and costs to support HART.

By offering Universal I/O, ControlEdge provides both configuration efficiency and flexible design, thereby reducing project schedule, cost and risk. Universal Channel Technology eliminates tedious documentation updates for cabinet configurations and simplifies maintenance. The reduction in types of I/O modules minimizes the number of spares needed and associated holding costs for the end user. With reduced or eliminated marshalling, there are fewer cabinets, diminished footprint, and lower infrastructure cost.

Cybersecurity

Our embedded cybersecurity supports compliance, reduced risk, and availability. Features include secure boot to prevent uploading of unauthorized software, a built-in firewall to minimize exposure to denial-of-service attacks and message flooding, and a certified secure development lifecycle to ensure security is built in from the start.

In addition, Honeywell offers Industrial Cybersecurity Solutions and Managed Services that help protect the availability, safety and reliability of industrial control systems and site operations. Honeywell improves business performance by reducing the risk of incidents, faults and failures that disrupt normal operations.

WHY CHOOSE HONEYWELL?

Choosing Honeywell provides distinct support advantages as well as access to our broad portfolio. Honeywell helps customers cost-effectively manage their control and safety infrastructure in the face of constantly evolving technology with extended life cycle support, flexible and easy migration paths, and simplified upgrade capabilities.

PRE-ENGINEERED SOLUTIONS

Honeywell can provide application-specific templates for ready implementation. We can also offer pre-designed hardware and software for efficient engineering and commissioning. This supports faster delivery time to the customer, greater reliability, higher productivity and lower cost. In addition, Honeywell offers unsurpassed project execution and service capabilities with our highly trained professionals across the globe, who can work with OEMs to create customized applications and support testing through proof of concept. This supports faster delivery time to the end user, greater reliability, and higher productivity.

SUPPORT

Honeywell offers unsurpassed project execution and service capabilities with our highly trained professionals across the globe, who can work with OEMs to create customized applications and demonstrate it through proof of concept. This supports faster delivery time to the customer, greater reliability, higher productivity and lower cost.

In addition, Honeywell supports you with virtual product training. Moreover, a 24x7 Global Technical Assistance Center (TAC) provides technical and application support for faster problem resolution, with remote diagnostics to help pro-actively manage automation systems.

Honeywell provides the confidence of a trusted supplier with the largest installed base of integrated systems and the greatest longevity in the industry. Rely on our experience and expertise to reduce risk and ensure performance.

For more information

Learn more about ControlEdge PLC, visit our website www.HoneywellProcess.com/PLC or contact your Honeywell account manager.

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