CONTROLEDGE PLC

Engineering, Procurement and Construction (EPCs)

ControlEdge PLC provides secure IIoT-ready connectivity with tight integration to devices and systems from multiple vendors. It is the first PLC to offer Universal I/O, utilizes OPC UA protocol and has built-in cybersecurity.

Designed to work with any SCADA system, ControlEdge PLC becomes a superior solution combined with any variant of Experion®.

A NEW GENERATION OF CONTROLLERS

Honeywell's 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 is one of our first controllers supporting Honeywell's IIoT-ready initiative.

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. Although designed to work with any SCADA system, it becomes a superior solution using Experion SCADA, leveraging common hardware and HMI, plus LEAP™ project execution. ControlEdge uses OPC UA protocol 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

- Single automation vendor, service and support across PLC, DCS, Safety System, Panel PC and Field Device Manager

- Users have a single point of contact from project inception to support, substantially reducing CAPEX and OPEX

- Continually guarded customer investments by providing easy upgrade paths to the latest control system technology tightly integrated with Experion, Honeywell's best-in-class Distributed Control System (DCS), Supervisory Control and Data Acquisition (SCADA) system, safety system and Honeywell's Field Device Manager (FDM) for smart field device management.

Honeywell

FEATURES

- ISASecure EDSA Level 2 certified cybersecurity ensuring the safety of the system, personnel and critical information

- Modbus RTU, ASCII and user-defined protocol on RS232 and RS485 for serial device integration

- OPC UA and EtherNet/IP protocols offer smooth integration to a broad range of devices and controllers

- Integration with third-party systems and devices such as motors, drives, and compressors

- Leveraging Honeywell's LEAP™ project methodology, it is the first PLC with HART enabled Universal I/O for greater configuration flexibility

- Connects to Human-Machine Interface (HMI) through Modbus, EtherNet/IP, and OPC UA protocols

- Optional redundant power supplies, controllers, and communication links

- Universal IO, Digital Input, Digital Output, Analog Input, Analog Output, Universal Analog Input, High Voltage Input modules

- Compatible with leading open network standards such as Modbus, EtherNet/IP, OPC UA, and HART-IP

- Powerful IEC 61131-3 programming environment

- Supports on-process remote firmware updates

- Subsea application support with MDIS protocol and a complete library of objects as defined in the MDIS Companion Specification

- ELMM as a migration solution from legacy Logic Manger/ IPC620

- DNP3 multi-master capability allowing simultaneous data collection from multiple SCADA and supporting History Backfill

- I/O racks of various sizes and AC/ DC Power supply options

WHY CHOOSE HONEYWELL?

We help you solve the most complex challenges:

- High maintenance cost due to complex/ loose integration of systems, interoperability issues

- No single point of ownership leading to higher troubleshooting time/cost

- Project schedule impact due to lesser adaptability to last minute project changes

- Poor connectivity leading to delayed service and downtime

- Higher risk to plant safety and availability due to cybersecurity threats

- Complex operator work-flow and decision making due to lack of standard HMI solution across control room and field

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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THE FUTURE IS WHAT WE MAKE IT

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