

# CONTROLEDGE FAMILY OF CONTROLLERS

Control with an Edge



# Seamless Installation, Integration, Configuration, Support.

ControlEdge™ is a next generation family of controllers that provide secure connectivity through all levels of process and business functions, optimize operations, and improve maintenance efficiency. Additionally, ControlEdge provides inherent integration with Experion® systems for unified solutions meeting diverse automation needs.



The ControlEdge family of controllers is part of **Honeywell Connected Plant**, an initiative turning data into actionable insight, from edge to enterprise, to help customers improve their bottom line. It provides access to data and control of assets from anywhere, improving efficiency

and underlying performance with the lowest total cost of operation. Honeywell Connected Plant delivers a capital efficient solution that provides flexibility to add and remove assets quickly, and consolidates data for operations and analysis for long term market-leading profitability.



### Cyber Security

Honeywell provides state-of-the-art cyber secure capabilities, including ISA99 certification supporting compliance, reduced risk, and availability.



### Experion Integration

Any of these controllers can integrate with third-party systems, however, each benefits from tight integration with Experion which adds rich visualization, alarm/event management, historical trending, and diagnostics capabilities.

## Which Solution is Right for My Operations?

Product	Overview	Uses and Examples	Capabilities
<b>PLC</b>	Reduced configuration, integration, and support costs; decreased risk with embedded cyber security. Minimized downtime and extended lifecycle when combined with Experion.	<ul style="list-style-type: none"> <li>Auxiliary plant applications</li> <li>Machine and equipment level control</li> <li>Water treatment</li> <li>Pump control</li> <li>Shop air supply</li> <li>Terminal management</li> <li>Coal and ash handling</li> </ul>	<ul style="list-style-type: none"> <li>IEC 61131-3 Control Programming (Ladder, ST, IL, SFC, FBD)</li> <li>HART I/O for Diagnostics and Asset Management</li> <li>Universal I/O Software Configurable for Analog and Digital Signals</li> <li>Seamless Experion integration for Operator Interface and Peer-to-Peer Communications</li> <li>Multiple Native Communications Options (e.g. EtherNet/IP, Modbus, OPC UA)</li> </ul>
<b>UOC</b>	Delivers a powerful DCS solution in a compact form factor for distributed batch, unit and ancillary control.	<ul style="list-style-type: none"> <li>Batch or procedural operations</li> <li>Specialty chemical</li> <li>Pharmaceutical</li> <li>Food and beverage</li> <li>Other distributed operations</li> </ul>	<ul style="list-style-type: none"> <li>DCS Class Control System</li> <li>Distributed Unit Control</li> <li>Integrated S88 Batch Control</li> <li>HART I/O for Diagnostics and Asset Management</li> <li>Virtual Controller Option</li> <li>Common Control Environment with Experion C300</li> </ul>
<b>RTU</b>	Reduced configuration time; reduced equipment monitoring and diagnostic time when paired with Experion SCADA.	<ul style="list-style-type: none"> <li>Geographically distributed asset control</li> <li>O&amp;G pipelines, storage, and terminals</li> <li>O&amp;G well-pad control</li> <li>Liquid and gas flow computing</li> <li>Block valve stations</li> <li>Flow metering</li> <li>Water distribution</li> <li>Mining</li> </ul>	<ul style="list-style-type: none"> <li>IEC 61131-3 Control Programming (Ladder, ST, IL, SFC, FBD)</li> <li>Low power consumption</li> <li>-40°C to 75°C Extended Temperature Operation</li> <li>ISA100 Wireless I/O</li> <li>HART I/O for Diagnostics and Asset Management</li> <li>DNP3 with History Recovery to SCADA</li> <li>Flow Computer Option</li> </ul>
<b>HC900</b>	Cost-effective flexible control solution combining safety with operational capability for simplified maintenance and efficiency.	<ul style="list-style-type: none"> <li>Furnaces, kilns, and dryers</li> <li>Burner management systems</li> <li>Heat treating</li> <li>Industrial HVAC</li> <li>Safety shutdown</li> <li>Critical air handling (metro)</li> </ul>	<ul style="list-style-type: none"> <li>Thermal Control Combined with Safety</li> <li>SIL 2 for Safety and Critical Controls</li> <li>Intuitive Function Block Programming with Set Point Programmer</li> <li>One Millisecond Sequence of Events</li> <li>History Recovery to Experion</li> </ul>

## Product Selection



**ControlEdge PLC**  
Reduce configuration, integration, and support costs while decreasing risk with embedded cyber security.



**ControlEdge UOC**  
Employ a powerful DCS solution in a compact form factor with a unit operations controller.



**ControlEdge RTU**  
Reduce configuration, monitoring, and diagnostics time from hours to minutes.



**ControlEdge HC900**  
Combine process control and safety, with faster startup, reduced training, simplified maintenance, and lower cost of ownership.



*Unified solutions for a variety of applications.*



*Secure connectivity at all levels.*



*Improve efficiency and optimize operations.*



*Turn data into actionable insight.*

## Why Choose Honeywell?

**Lifecycle Investment Protection:** Honeywell has continually guarded customer investments by providing easy upgrade paths to the latest control system technology. Honeywell continues to evolve and innovate to bring significant advances in automation technology, while also providing a smooth migration path to today's technology when the time is right for you. We have a wealth of experience in migrating legacy control and safety systems, no matter who the manufacturer.

**Service and Support:** Honeywell offers unsurpassed project execution and service capabilities with our highly trained professionals across the globe, for both new construction projects and existing installations. The Honeywell team utilizes proven methodologies and tools to consistently deliver on-time and on-budget, even under the most demanding project requirements. Whether you choose Honeywell directly, or one of our trusted global partners, you benefit from the best expertise. Honeywell provides the confidence of a trusted provider 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 improve performance.

### For more information

To learn more about Honeywell's ControlEdge Family of Controllers, visit [www.honeywellprocess.com/controlledge](http://www.honeywellprocess.com/controlledge) or contact your Honeywell account manager.

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