



C200 Migration: Addressing Obsolescence

Easy options for migration to modern technology

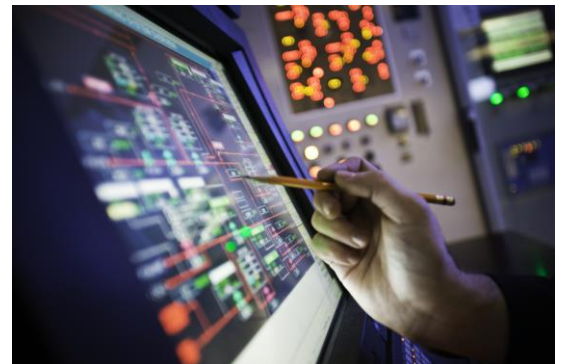
Service Note

Honeywell's C200 controllers are being phased out from the end of 2020. Our range of migration options enable users to update to current technology, enjoy continued support and benefit from new functionality –while protecting their existing investments.

C200 controllers are now being phased out. Since 2015, no new enhancements or functionality have been added, and, in line with Honeywell's policy for control, safety and monitoring systems, limited support will continue:

- Customers will receive the selected level of support, including spare and certified recycled parts based on a "best efforts" basis
- Repair and exchange on-availability hardware support only will continue
- Series A I/O will be supported under the Legacy lifecycle phase until 2022. This includes the ability for the Series A I/O to co-exist with and be replaced by the equivalent 1756 I/Os, as highlighted in our User's Manual.

Honeywell has a long-term commitment to its customers and continues to offer vital support for legacy equipment. As solutions are phased out, users face increasing risks from obsolescence, however. These include declining



Honeywell's C200 upgrade options provide low risk, most cost-effective migration to modern control performance and continued support.

FEATURES & BENEFITS

Reduce Risk

- Easy and reliable migration
- Ensure continued support
- Minimal process downtime with migration to UOC
- Honeywell engineers with years of experience in migrating C200 controllers
- Support from our Migration Center of Excellence, Migration expert service teams and Global Technical

Flexible Options for Every System

- C300 upgrade kits for systems using PIMO and I/O Link Interface Modules
- Choose from C300 upgrade or Control Edge Unit Operations Controller (UOC) if using Series A chassis, I/O
- Phased migration solution to avoid cost and disruption of rip and replace

Cut Costs and Protect Your Investments

- Retain I/O infrastructure and marshaling
- Keep existing cabinets
- Maintain the same software execution environment, configuration of controllers and I/Os to eliminate retraining
- Continue using peer to peer communication with existing level 1 controllers on CDA protocol
- Retain HMI graphics

New Functionality and Continued Support

- Upgrade to flagship C300 controllers or to new (UOC) controller for best in class process control
- Improve controller capacity
- Full support for spare parts
- Honeywell's proven and long-term commitment to support of legacy technology

reliability, difficulty sourcing spare parts, and skills gaps as operators with experience of ageing equipment leave the industry.

Our migration options provide a safe, managed and cost-effective route to modern, fully supported technology.

Upgrade options

C200 Users can choose from our range of three upgrade options, according to their current system and application requirements.

- **C200/C200E systems with Process Manager I/O (PMIO) using I/O Link Interface Modules** can use our C200 to C300 upgrade kits. The supervisory network is upgraded to Fault Tolerant Ethernet (FTE), the industrial control network of Honeywell's Experion® Process Knowledge System (PKS). This ensures rapid detection and recovery in the event of communication failures, with a switchover time of less than a second. PMIO users can migrate without replacing I/Os, and can retain their wiring and graphics. Control strategies can be migrated with little or no change.
- **C200/C200E to C300 with Series A (Chassis) I/O** – For any system using Series A I/O modules (most often in remote – downlink – chassis), we can replace the C200/C200E controller with the C300, while leaving IO modules in place. CNI communication cards in I/O chassis are replaced by an FTE Bridge, used for communication between the Series A I/Os and the C300 controllers.

For More Information

Learn more about how Honeywell's Hardware Refresh Program keeps your plant's distributed control system assets up to date, visit our website www.honeywellprocess.com or contact your Honeywell account manager.

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- **C200/C200E to UOC/vUOC with Series A (Chassis) I/O** can also choose migration to the ControlEdge Unit Operations Controller (UOC) or UOC virtual controller. This allows users to retain Series A I/O infrastructure, Series A I/O modules, control strategies, graphics, history and trends. They can keep ControlNet along with the Series A I/Os and RAIL I/Os. C200/C200E controllers are replaced with the new UOC/vUOC controller. Connected using Star or Ring topology, it can communicate over the EIP protocol or CIP Pass through.

Every migration is different, however, and Honeywell's expert team will help assess each customer's systems and develop an approach tailored to their precise requirements.

Protecting your investments

Honeywell's migration tools and services are carefully designed to minimize disruption to the process, reduce the costs of migration and protect users' intellectual property.

In almost all cases we can retain existing I/Os and field wiring to reduce the cost of migration and simplify projects. Graphics can also be retained, and our migration tools make it quick and easy to transfer control strategies with minimal changes.

To facilitate smooth upgrades, control risks and reduce costs, as well as to minimize or eliminate downtime, controllers can also be replaced individually or in batches for a phased migration. C200/C200E systems connected to PMIO can even migrate to C300 while the system remains online.

To discuss your migration strategy, contact your Honeywell representative today.