

HONEYWELL INFORMATION, NEWS, AND TIPS



NOVEMBER 2020

In This Issue

Contents

C200/C200E Controller Lifecycle Status Change and Update..... 2

ControlEdge RTU Non-redundant Controller Life Cycle Announcement 6

PRODUCT CHANGE ANNOUNCEMENT: Integrated Automation Assessment No Longer Offering the Enhanced Version of the IAA Report..... 8

Changing the Experion Windows MNGR Password When Using OPC UA (Client or Server)..... 9

Product Withdrawal Announcement : Safety Manager Controller & IO chassis..... 9

Honeywell Launches the Universal Thin Client Operating System..... 12

Changes Made to System Inventory Portal Access 12

System Inventory Tool R300.1 Offered 14

What is SIT and Why is it Needed?..... 17

Is the System Inventory Tool Safe for Use with Control Systems?..... 20

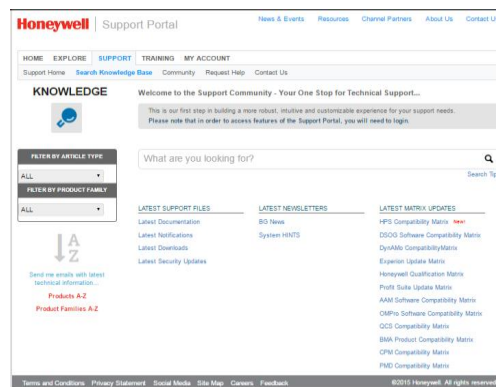
HPS Priority Notifications..... 22

Products Revisions and Support Status..... 23

Subscribe to HINTS

Login to www.HoneywellProcess.com. Go to Support > **Search Knowledge Base** and click on **System HINTS** under Latest Newsletters. In the page that opens, click on **Subscribe to Support Newsletters (System HINTS)**

The Search Knowledge Base page allows you to search our Knowledge Base with many technical support-related articles. So, if you need technical assistance, try the Knowledge Base first!



More Support Online (login)

You can also [create a Support Request online](#). Monitor your Support Request cases by visiting the [Request Help](#) page. For all other support queries, please [contact our Customer Contact Center](#).

For questions or comments related to the HINTS newsletter, please write to HPS.System.HINTS.

C200/C200E Controller Lifecycle Status Change and Update

This is an important notification for all the C200/C200E controller install base customers that Honeywell is transitioning the C200/C200E platform from 'Legacy' to 'Phase out' lifecycle phase from 31 December 2020 In accordance with the HPS support policy for "Control, Safety and Monitoring systems".

Since the October 2015 announcement regarding the C200/C200E, solutions have been deployed to help effectively upgrade and migrate your system.

The following are key points to consider for C200/C200E systems:

1. Sale Withdrawal for New Installations and Expansions for C200/C200E was announced in 2015.

The product continues to receive selected level of support including supply of spare and Certified Recycled Parts based on best efforts. No new enhancement or functionality has been added, since this announcement.

2. On December 31, 2020 C200/C200E will be transitioned to Phased-out lifecycle phase.

3. Most Series A I/O will be supported under Legacy lifecycle phase until 2022 based on best efforts.

This includes the ability for the Series A I/O to co-exist with and be replaced by the equivalent 1756 I/O as highlighted in [Control Hardware Installation guide](#) (chapter 7 &16). Selected Series A I/O are in phase out life cycle based on supplier availability. The latest supported and qualified replacements of obsolete Rockwell modules are also mentioned in the Control Hardware Planning guide.

4. There are no current plans to discontinue Experion releases and TAC support for C200/C200E.

There are now three general types of C200/C200E upgrades available:

C200/C200E to C300 with Process Manager I/O (PMIO) - Solution and kits available today

Description: C200/C200E systems that are connected to PMIO

Upgrade Approach: A C200 to C300 upgrade kit has been designed to allow for a simple hardware upgrade without requiring additional space. The C200 controller chassis can be replaced with a redundant C300 controller that has been modified to fit in the space of a single C200/C200E chassis. Graphics remain the same. Each C200/C200E controller can be migrated individually, allowing the system to be gradually converted to C300. By upgrading to the C300, this solution can retain IO modules and field wiring, keep graphics unmodified, allow control strategies to be migrated with little or no change, and allows the system to be gradually converted to C300. The supervisory network must be upgraded to Fault Tolerant Ethernet. The upgrade procedure may be conducted while the system remains online.

C200/C200E to C300 with Series A (Chassis) IO - Solutions and kits available today.

Description: Any system that uses Series A I/O modules, often in remote (downlink) chassis.

Upgrade Approach: The C200/C200E controller will be replaced with the C300 controller, in a manner that leaves IO modules in place and untouched. CNI communication cards in IO chassis will be replaced by FTE Bridge which will be used to communicate the Series A IOs to the C300s. Series A IOs will be untouched. We have an expert team of individuals that can help with this type migration scenario. Each migration will have subtle differences so it is important to engage our teams to assess the system requirements and a tailored migration approach can be designed.

Important Notice: FTEB module is in 'Full Support' lifecycle stage and there are no plans to discontinue this module until further notice.

C200/C200E to UOC/vUOC with Series A (Chassis) IO - Solution and kits available today.

Description: Any system that uses Series A I/O modules

Upgrade Approach: The C200/C200E controller will be replaced with the new UOC/vUOC controller. UOC controller can be connected using Star or Ring topology, it can communicate over the EthernetIP (EIP) protocol or CIP Pass through. Customers can choose the suitable topology and use the UOC as replacement to the C200/C200E controller. Series A IOs will be untouched. We have an expert team of individuals that can help with this type migration scenario. Each migration will have subtle differences so it is important to engage our teams to assess the system requirements and a tailored migration approach can be designed.

Please contact your account manager for more details.

The following parts are affected by this announcement:

Model Number	Description	Model Number	Description
1756-DNB	DEVICENET BRIDGE/SCANNER MODULE	TC-ORC161	RELAY OUTPUT 16 NO
1756-DNB/A	DEVICENET BRIDGE/SCANNER MODULE	TC-PBFO01	CONTROLNET REPEATER ADAPTER HAZ 1

1757-CN2FF	ALLEN-BRADLEY FIELDBUS LINKING DEVICE
SST-PB3-CLX	PROFIBUS INTERFACE MODULE
TC-CCN011	CN INTERFACE SINGLE MEDIA
TC-CCN012	CN INTERFACE SINGLE MEDIA
TC-CCN013	CONTROLNET INTERFACE, SINGLE MEDIA
TC-CCN014	CONTROLNET INTERFACE, SINGLE MEDIA
TC-CCR011	CN INTERFACE REDUNDANT MEDIA
TC-CCR012	CN INTERFACE REDUNDANT MEDIA
TC-CCR013	CONTROLNET INTERFACE REDUNDANT MEDIA
TC-CCR014	CONTROLNET INTERFACE REDUNDANT MEDIA
TC-CEN011	Ethernet Module, 10/100 Mb
TC-CEN021	Ethernet Module, 10/100 Mb
TC-CENF21	Ethernet Fiber Module, 10/100 Mb
TC-FCCN01	CONTROLNET ADAPTER
TC-FCCR01	DUAL MEDIA CONTROLNET ADAPTER
TC-FFIF01	Fieldbus Interface Module
TC-FXX041	4 SLOT RACK
TC-FXX042	4 SLOT CHASSIS 13 AMP
TC-FXX071	7 SLOT RACK
TC-FXX101	10 SLOT RACK
TC-FXX102	10 SLOT CHASSIS 13 AMP
TC-FXX131	13 SLOT RACK
TC-FXX132	13 SLOT CHASSIS 13 AMP
TC-FXX171	17 SLOT RACK

TC-PCIC01	Cnet Intrfc. Mod. for PC
TC-PCIC01K	ControlNet Interface Card (PCI bus) R320 Kit
TC-PCIC02	ControlNet Interface Module, PCI bus
TC-PGCN11	CONTROLNET GATEWAY REDUNDANT MEDIA HAZ 1
TC-PIA081	ANALOG INPUT 8 POINT HAZ 1
TC-PIB161	DIGITAL INPUT 16 POINT HAZ 1
TC-PIF021	FREQUENCY INPUT 2 POINT HAZ 1
TC-PIL081	TEMPERATURE INPUT 8 POINT HAZ 1
TC-PNX021	C100 CONTROL PROCESSOR
TC-POA081	ANALOG OUTPUT 8 POINT HAZ 1
TC-POB041	DIGITAL OUTPUT 4 POINT HAZ 1
TC-PRR021	REDUNDANCY MODULE
TC-PRS021	C200 CONTROL PROCESSOR
TC-RPA001	CONTROLNET REPEATER ADAPTER FIBER OPTIC
TC-RPA002	ControlNet Modular Adapter Fiber Module
TC-RPFM01	CONTROLNET REPEATER FIBER OPTIC (3000M)
TC-RPFS01	CONTROLNET REPEATER FIBER OPTIC (300M)
TK-CCN014	CONTROLNET INTERFACE, SINGLE MEDIA COATED
TK-CCR012	CN INTERFACE REDUNCANCY MEDIA COATED
TK-CCR013	CONTROLNET INTERFACE, REDUNDANT MEDIA COATED
TK-CCR014	CONTROLNET INTERFACE REDUNDANT MEDIA COATED
TK-CEN011	ETHERNET MODULE 10MB COATED
TK-CEN021	Ethernet Module, 10/100 Mb, coated
TK-CENF21	Ethernet Fiber Module, 10/100 Mb, coated

TC-FXX172	17 SLOT CHASSIS 13 AMP
TC-FXX72	7 SLOT CHASSIS 13 AMP
TC-HAI081	(CIOM-A) HART AI Module (8)pt
TC-HAO081	(CIOM-A) HART AO Module (8)pt
TC-IAH061	AI 6 PT 4-20MA/10V
TC-IAH161	AI 16PT 4-20MA/10V NON-ISOLATED
TC-IDA161	AC INPUT 120 VAC 16 PT
TC-IDA321	AC INPUT 120VAC 32PT
TC-IDD161	DC INPUT 24VDC 16 PT
TC-IDD321	DC INPUT 24VDC 32PT
TC-IDJ161	DC IN 24 VDC 16 PT ISOLATED
TC-IDK161	AC IN 120VAC 16 PT ISOLATED
TC-IDW161	AC IN 220 VAC 16 PT ISOLATED
TC-IDX081	AC IN 120VAC 8 PT DIAGNOSTICS
TC-IDX161	DC IN 10-30 VDC 16 PT DIAGNOSTICS
TC-IOLI01	I/O Link Interface
TC-IXL061	THERMOCOUPLE INPUT 6 PT
TC-IXL062	CIOM-A T/C module (not coated)
TC-IXR061	RTD INPUT 6 PT
TC-MDP081	PULSE INPUT 8 CHANNEL IN/2 CHANNEL OUT
TC-MUX021	SERIAL INTERFACE MODULE 2 CHANNEL
TC-OAH061	AO 6 PT 4-20MA
TC-OAV041	AO 4PT 4-20MA/10V NON-ISOLATED
TC-OAV061	AO 6 PT 10V
TC-OAV081	AO 8PT 4-20MA/10V NON-ISOLATED
TC-ODA161	AC OUTPUT 120/220VAC 16PT
TC-ODA321	AC OUTPUT 120VAC 32PT
TC-ODC081	AC OUTPUT 120/220 VAC 8PT
TC-ODD081	DC OUTPUT 24VDC 8 PT
TC-ODD161	DC OUTPUT 24VDC 16 PT E-FUSED

TK-FFIF01	Fieldbus Interface Module, Coated
TK-FXX101	10 SLOT RACK COATED
TK-FXX102	10 SLOT CHASSIS 13 AMP COATED
TK-FXX131	13 SLOT RACK COATED
TK-FXX132	13 SLOT CHASSIS, 13 AMP COATED
TK-HAI081	(CIOM-A) HART AI Module (8)pt, coated
TK-HAO081	(CIOM-A) HART AO Module (8)pt, coated
TK-IAH061	Analog In, 6 pt (4-20ma & 10v), coated
TK-IAH161	Analog In, 16 pt, coated
TK-IDA161	120vac, 16 pt, coated
TK-IDB321	DIGITAL INPUT, 120 VAC 32 PT COATED
TK-IDD321	24vdc, 32 pt, coated
TK-IDJ161	24vdc, 16 pt (isolated), coated
TK-IDK161	120vac , 16 pt (isolated), coated
TK-IDW161	220vac, 16 pt (isolated), coated
TK-IDX081	120vac, 8 pt (diagnostic), coated
TK-IDX161	10 - 30vdc, 16 pt (diagnostic), coated
TK-IOLI01	I/O Link Interface
TK-IXL061	Thermocouple Input, 6 pt, coated
TK-IXL062	CIOM-A T/C module (coated)
TK-IXR061	RTD Input, 6 pt, coated
TK-MDP081	Pulse Input Module, Coated
TK-MUX021	Serial Input Module, Coated
TK-OAH061	Analog Output, 6 pt (4-20ma), coated
TK-OAV061	Analog Output, 6 pt (10v), coated
TK-OAV081	Analog Output, 8 pt (non-isolated), coated
TK-ODA161	120/220vac, 16 pt, coated
TK-ODD321	24vdc, 32 pt, coated
TK-ODJ161	24vdc, 16 pt (isolated), coated
TK-ODK161	120/220vac, 16 pt (isolated), coated

TC-ODD321	DC OUTPUT 24VDC 32PT
TC-ODE081	DC OUTPUT 48VDC 8 PT
TC-ODF081	DC OUTPUT 125VDC 8 PT ISOLATED
TC-ODK161	AC OUTPUT 120/220VAC 16 PT
TC-ODX081	AC OUTPUT 120 VAC 8 PT DIAG
TC-ODX161	DC OUTPUT 10-30 VDC 16 PT DIAG
TC-ORC081	RELAY OUT 8 NO & 8 NC

TK-ODX081	120vac, 8 pt (diagnostic), coated
TK-ODX161	10 - 30vdc, 16 pt (diagnostic), coated
TK-PRR021	REDUNDANCY MODULE COATED
TK-PRS021	C200 CONTROL PROCESSOR, COATED
TK-PRS022	C200E Control Processor
TK-ZLCSR1	LIOM Module

ControlEdge RTU Non-redundant Controller Life Cycle Announcement

SC-UCMX01

SC-UCMX02



ControlEdge RTU comes with a collection of hardware – non-redundant controller, redundant controller, Expansion I/O module, and in this way can address wider applications.

In Release 160, we introduced a new non-redundant controller, SC-UCMX02, with enhanced memory and security features. With this new introduction, we will be able to offer more features and target a broader market. Key features offered in the new non-redundant controller (SC-UCMX02) are mentioned below:

Key Features:

- From R160 going forward, non-redundant controllers have built-in security. No extra modules like firewalls are required. We provide secure communication through authentication and encryption. Our controllers (redundant & non-redundant) are ISAsecure Level 2 certified. Honeywell is the first in the market to have an ISA secure certified device for remote installations, no other vendor's remote controllers are certified for Level 2.
- With more enhanced memory, many protocol additions and enhancements are possible. To name a few: DNP3 multi-master support, DNP3 Master SA V5 (R171), MQTT/IEC60870 addition in R170/R171.

- Static routing to help multiple SCADA systems on different subnets to connect to RTU
- Bulk firmware upgrade
- Bulk configuration
- More memory to store project files locally

It is pertinent to mention here that with the introduction of new non-redundant controller SC-UCMX02, our old non-redundant controller SC-UCMX01 will move into the legacy phase of the life cycle (with support for 10 years).

For all customers with existing installed base of SC-UCMX01 who are willing to use the new exciting features of SC-UCMX02, they can use upgrade kits available to order at competitive prices.

Upgrade Kit for SC-UCMX01 to SC-UCMX02 (SC-ZRTU01)

Starting in August 2020, we will be offering this upgrade kit to help customers using the older non-redundant controller to upgrade to the new controller at discounted prices based on their SESP contracts.

Contents of the Kit (SC-ZRTU01)

- Trade-in instructions for upgrade kits
- Replacement instructions
- SC-UCMX02

Eligibility for Upgrade

- Any customer using the older non-redundant controller will be eligible for this upgrade kit
- Upon receiving this kit, customer must return the old controller as per the accompanying return instruction document

What Does This Mean for SC-UCMX01?

- It will not be offered to greenfield projects
- For now, it will still be manufactured and offered to brownfield cases where spares are needed or installations need to be expanded
- It will still support all previous firmware release versions (R140, R150, R151)

Things to Consider

- This only affects non-redundant controllers
- No firmware upgrades to R160 and onwards from old controller SC-UCMX01 are possible
- No firmware downgrades from new controller SC-UCMX02 (at R160 +) are possible
- I/O modules remain unaffected
- Latest version of ControlEdge Builder (R160+) can support new and old controller*

** This is for those scenarios where a site has both new and old non-redundant controllers and they don't have to use two different versions of ControlEdge Builder to configure their projects.*

Compatibility Matrix for SC-UCMX01 & SC-UCMX02

Hardware	Can Run Firmware R110-151	Can Run Firmware R160+
SC-UCMX01	Yes	No
SC-UCMX02	No	Yes

ControlEdge Builder Release	Can Create a New Project for SC-UCMX01	Can Modify and Maintain SC-UCMX01 with an Existing Project	Can Create a New Project for SC-UCMX02	Can Modify and Maintain SC-UCMX02 with an Existing Project
R110-151	Yes	Yes	No	No
R160+	Yes	Yes	Yes	Yes

Scenarios to Quote SC-UCMX01

- Installations running with controllers on R140, R150, R151 (Brownfield)—Spares
- Installations running with controllers on R140, R150, R151 (Brownfield)—Expansion

Scenarios to Quote SC-UCMX02

- New installations (Greenfield)
- Replacement of old controllers with new ones (Brownfield), spares and expansions (SC-UCMX02 can be used as a direct replacement of SC-UCMX01). Please use upgrade instructions sheet.

PRODUCT CHANGE ANNOUNCEMENT: Integrated Automation Assessment No Longer Offering the Enhanced Version of the IAA Report

The Enhanced IAA report option has been discontinued as of September 30, 2020.

What is the Integrated Automation Assessment?

Honeywell Integrated Automation Assessment (IAA) for Experion PKS and TotalPlant Solution (TPS) system owners provides a complete and detailed system performance analysis of the health, performance and supportability of the automation infrastructure assessment using data analytics, best practice benchmarking and expert analysis.

Included with A360 and available as a standalone service, the integrated automated assessment output is reviewed by a Honeywell expert who delivers a report with results and recommendations to the customer in a face-to-face meeting.

For Any Customers Who Want Loop/Alarm Reporting, Honeywell Offers

- Control Performance Monitoring (CPM) in the cloud for loop monitoring (LoopScout equivalent)
- Dynamo M&R for alarm monitoring and alarm metrics (AlarmScout equivalent, but offers more)

Changing the Experion Windows MNGR Password When Using OPC UA (Client or Server)

The Experion OPC UA SCADA channel was introduced in Experion R510, while the Experion OPC UA OPC server was introduced in Experion R511. Both the Experion OPC UA SCADA channel and Experion OPC UA sever use OS certificates for secure communications to and from third-party OPC UA components. The Windows MNGR user account is linked to OPC UA certificates used at runtime by the OPC UA SCADA channel and the Experion OPC UA sever.

Currently, the Experion utility used to change passwords does not handle the Windows certificate correctly when changing the MNGR user password.

Changing the Windows MNGR user account password would require extra steps to update the Windows certificates.

Article 120539 provides the updated procedure to change the Windows MNGR password when using OPCUA on Experion R51x.

Note this article does not apply to Experion systems using OPC DA/AE/HDA.

Product Withdrawal Announcement : Safety Manager Controller & IO chassis

Overview

This is a product withdrawal notice for the Safety Manager Controller and IO chassis type FS-CPCHAS-0001, FC-IOCHAS-0001R and FC-IOCHAS-0001S, which are replaced by the Controller and IO chassis type FS-CPCHAS-0003, FC-IOCHAS-0003R and FC-IOCHAS-0003S.

The new CP- and IO chassis have new 5VDC and Watch Dog connectors, therefore the power distribution cables FS-PDC-IOR05 and FS-PDC-IOS05 are replaced by FS-PDC-IOR05A and FS-PDC-IOS05A.

Withdrawal Date

The hardware parts mentioned in this announcement are withdrawn from the Safety Manager product line since November 1st, 2020.

Reasons for Withdrawal

The FS-CPCHAS-0001, FC-IOCHAS-0001R and FC-IOCHAS-0001S have components which are obsolete.

Parts Ordering

The FS-CPCHAS-0001, FC-IOCHAS-0001R and FC-IOCHAS-0001S chassis will not be produced and are not available from stock anymore. The obsolete chassis are replaced by the new FS-CPCHAS-0003, FC-IOCHAS-0003R and FC-IOCHAS-0003S.

The power distribution cables FS-PDC-IOR05 and FS-PDC-IOS05 will remain available as spare parts.

Product Summary

Current withdrawn parts

The table below lists the chassis that have been withdrawn:

SAP material number	Rev	SAP Material Description
FS-CPCHAS-0001	11	CHASSIS FOR CONTROL PROCESSOR
FC-IOCHAS-0001R	11	CHASSIS FOR REDUNDANT I/O MODULES CC
FC-IOCHAS-0001S	11	CHASSIS FOR NON-REDUNDANT I/O MODULES CC

Replacement

Replacement for withdrawn FS-CPCHAS-0001, FC-IOCHAS-0001R and FC-IOCHAS-0001S chassis

The table below lists the replacement for the withdrawn chassis and new power distribution cables which are required for the 5VDC and Watch Dog distribution:

SAP material number	Rev	SAP Material Description
FS-CPCHAS-0003	11	CHASSIS FOR CONTROL PROCESSOR
FC-IOCHAS-0003R	11	CHASSIS FOR REDUNDANT I/O MODULES CC
FC-IOCHAS-0003S	10	CHASSIS FOR NON-RED. I/O MODULES CC
FS-PDC-IOR05A	10	POWER DISTR.CABLE IOCHAS-0003R 5VDC WD
FS-PDC-IOS05A	10	POWER DISTR.CABLE IOCHAS-0003S 5VDC WD

To be able to connect the new CPCHAS-0003 to the new IO chassis (FC-IOCHAS-0003R and / or FC-IOCHAS-0003S) the following additional part (FC-PDB-IO05) is required:

