

Product Change Notification ID#0246

Title of notification

CCpilot V1090 and V1290, System Supervisor (SS) Firmware Update from 2.1.0.0 to 3.0.0.0

Level of Change

- ☒ Product Change Notice – Customer Information
- ☐ Product Change Notice – Customer Approval
- ☐ End of Life Issue – Required Customer Action
- ☐ Errata – Customer information

Affected Product families

Product Part Number	Product Name	Revision after change
C000160-50	CCpilot V1090 Basic	0.5.0
C000160-51	CCpilot V1090 Extended	1.1.0
C000161-50	CCpilot V1290 Basic	0.5.0
C000161-51	CCpilot V1290 Extended	1.1.0
C000161-53	CCpilot V1290 Customer specific	1.1.0

Product Attribute Affected

- | | |
|---|--|
| ☐ Material Change | ☐ Process Change |
| ☐ Design Change | ☐ Data Sheet Change |
| ☒ Software Change | ☐ Packing/Shipping Change |
| ☐ Other: | |

Impact of Change

- | | |
|--|---|
| ☐ Form | ☒ No change in form |
| ☐ Fit | ☒ No change in fit |
| ☒ Function | ☐ No Change in function |

If applicable, see description below.

Description of the Change

The System Supervisor (SS) is an internal STM32-based microcontroller that monitors power supply, configures startup settings, and manages device settings.

To ensure the continued field-update capability of SS firmware, a new bootloader will be introduced.

Improvements

- Updated bootloader supporting a new SS microcontroller revision, also fully compatible with earlier SS microcontroller revisions.
- Extended compatibility by consolidating previous firmware versions into SS-v3.0.0.0, effectively combining support for CClinux versions 3.x, 4.x, and the upcoming 5.x.
- LED can now be configured to stay off during startup.

Bug Fixes

- Improved behavior of the Hard Shutdown button, ensuring that a shutdown will always occur when the button is released, as long as it is held down for a sufficient duration.

Reason for Change

Previous SS firmware versions will not support field updates on the new SS microcontroller revision. Therefore, this update is mandatory to maintain this functionality.

Recommendation

No specific recommendation.

Estimated Change Date

2026-08-01

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