

Product Change Notification ID#0250

Title of notification

CCpilot X1200, System Supervisor (SS) Firmware Update from 1.3.5.0 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
C000158-01	CCpilot X1200 Win10	1.3.0
C000158-03	CCpilot X1200 CC Linux	1.3.0
C000158-02	CCpilot X1200 4xCAN	1.3.0
C000158-06	CCpilot X1200 CC Windows 4xCAN	1.3.0

Product Attribute Affected

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

Impact of Change

- ☐ Form
- ☐ Fit
- ☒ Function
- ☒ No change in form
- ☒ No change in fit
- ☐ 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.
- Enhanced startup reliability during low supply voltage.
- Button press events (indications) are now always reported to the application, regardless of which action the button is configured to perform (CCAux API `Power_getButtonPowerTransitionStatus` function).
- Default duration for the LED indication on buttons after it is released has been reduced from 4 seconds to 150 milliseconds.
- A new option has been added to disable forced shutdowns from hardware buttons through software configuration. (Windows/Linux update needed.)
- Support for button double-press with configurable timing added, allowing custom power actions to be triggered via a button double-press. (Windows/Linux update needed.)

Bug fixes:

- Hard shutdown no longer disabled if button long/short press configured to NOACTION.

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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