crosscontrol

Product Change Notification   ID#0195

Title of notification

CCLinux 3 – CCpilot V700

Level of Change

☒   Product Change Notice – Customer Information

☐   Product Change Notice – Customer Approval

☒   Product Change Notice – Customer Action

☐   Product End of Life – Required Customer Action

☐   Errata – Customer information

Affected Products

#	Product Part Number	Product Name	Revision after change
1	C000152-04	CCpilot V700	1.2
2	S002152-04	CCpilot V700, CODESYS RT + Visu	1.2
3	S003152-04	CCpilot V700 CODESYS WebVisu	1.2
4	S004152-04	CCpilot V700, CODESYS RT + Visu + Web Visu	1.2
5	S020152-04	CCpilot V700, LinX-Base	1.2
6	S021152-04	CCpilot V700, LinX Base, CODESYS RT	1.2
7	S110152-04	CCpilot V700 ISOBUS UT	1.2

Phone: +46 271 75 76 00
info@crosscontrol.com
www.crosscontrol.com

CrossControl
Box 83, SE-822 22 ALFTA
Fax +46 271 75 76 89

Kopparlundsvägen 14
SE-721 30 VÄSTERÅS
Fax + 46 21 40 32 10

Fyrisborgsgatan 4
SE-754 50 UPPSALA
Fax + 46 18 12 38 85

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.

Change - Information

CCLinux 3

- ✓ CCLinux 3 involves Linux kernel updates from Yocto version 3.0 (Zeus) to version 4.0 (Kirkstone) including stability fixes and security improvements of known vulnerabilities with approximately 300 different included libraries.
- ✓ CCLinux 3 offers a combined release to support all CrossControl iMX8-based products for enhanced feature alignment and ease of cross-product development.
- ✓ Yocto version of CCLinux 2.x is EOL, which means that support for CCLinux 2.x has ended. So, if bugs or security vulnerabilities are found, no available resolution with CCLinux 2.x can be provided.
- ✓ CCLinux 3 enables support for Qt5.x and Qt6.x, whereas older CCLinux 2.x, only supports Qt5.x.
- ✓ Support for "Fast boot" module enables a cold boot-time down below 3sec.
- ✓ Added V4L2 encoder, enabling accelerated JPEG encoding through VPU.
- ✓ Improved support for H264.

SS firmware

- ✓ Current off fix for V700, that solves potential increased current consumption in Off-mode.

Phone: +46 271 75 76 00
info@crosscontrol.com
www.crosscontrol.com

CrossControl
Box 83, SE-822 22 ALFTA
Fax +46 271 75 76 89

Kopparlundsvägen 14
SE-721 30 VÄSTERÅS
Fax + 46 21 40 32 10

Fyrisborgsgatan 4
SE-754 50 UPPSALA
Fax + 46 18 12 38 85

LinX Software Suite 5.0

- ✓ UX Designer v5.0 – Virtual machine containing newer Qt Creator v8, including plugins for configuring J1939 and CANopen
- ✓ A new and modular approach for the development tool UX Designer is launched and published. First you install a base package together with the UX Designer 5.0 installation. Then you select the correct SDK modules for the CrossControl display computer(s) you want to develop the application(s) for. The SDKs are available and published in two different shapes, so you can choose to install it as a Debian package or a Docker image. Using the Docker approach enable you to easily keep several Qt versions available for different projects/products at the same time, meaning you can select/deselect the version you need, which is very convenient for software life-cycle management.
- ✓ CODESYS 5.17+ for CC Linux will soon be released, watch our web site for updates.
- ✓ The following Application modules are also updated to support the new CC Linux version:
  - o Camera module
  - o Web browser
  - o Wireless (Bluetooth and WiFi)
  - o Screen sharing
- ✓ The following modules are planned to be released for CC Linux 3 during the year:
  - o Window manager
  - o License manager
  - o Cyber security
  - o SOTA (Software Over The Air)

Incompability

- ✓ SW applications built for CCLinux 2 cannot directly be guaranteed to function on CCLinux 3, applications must be validated or preferably rebuilt with LinX SW Suite v5.0

- ✓ **Note**: Upgrade from CCLinux 2 to CCLinux 3 requires using UUU tool and is not working via USB stick. The same goes for downgrading from 3.x to 2.x.

- ✓

Recommendation

- ✓ Customers should immediately start preparing for transfer from CCLinux 2 to CCLinux 3 to avoid problems when this becomes effective.

- ✓ Customers should download CCLinux 3, build applications, test/verify and start using CCLinux 3 in serial production as soon as possible.

Phone: +46 271 75 76 00
info@crosscontrol.com
www.crosscontrol.com

CrossControl
Box 83, SE-822 22 ALFTA
Fax +46 271 75 76 89

Kopparlundsvägen 14
SE-721 30 VÄSTERÅS
Fax + 46 21 40 32 10

Fyrisborgsgatan 4
SE-754 50 UPPSALA
Fax + 46 18 12 38 85

Information and dates

- ✓ CCLinux 3 and a corresponding release of LinX Software Suite v5.0 is available for download.
- ✓ The earliest delivery date for this revised products, revision 1.2, is 2023-09-15. After that change, only products with the new CCLinux 3 will be available.
- ✓ Products with new revision can be identified with revision 1.2 on product label.
- ✓ For full Technical description, see release notes for respective release in links below.

Release notes

- ✓ Kirkstone: https://docs.yoctoproject.org/dev/migration-guides/migration-4.0.html
- ✓ Zeus: https://docs.yoctoproject.org/dev/migration-guides/migration-3.0.html

Where do I find the new releases?

CC Linux

https://crosscontrol.com/displays-computers/ccpilot-v700/#downloads/devicedownloads/cc%20linux/operating%20system%20images

SS

Please contact your established CrossControl representative if you would need firmware downloads or assistance.

LinX-Base device runtime

https://crosscontrol.com/displays-computers/ccpilot-v700/#downloads/devicedownloads/linx-base%20device%20runtime

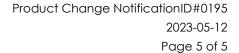### LinX Software Suite 5.0 – Development tool chain

https://crosscontrol.com/software-solutions/linx-software-suite/ux-designer/#developmentenvironmentdownloads/uxdesigner

Online manual incl Getting started guide and Release notes:

https://crosscontrol.com/software-solutions/linx-software-suite/ux-designer/#documentation/manuals

Application modules:

https://crosscontrol.com/software-solutions/

Phone: +46 271 75 76 00
info@crosscontrol.com
www.crosscontrol.com

CrossControl
Box 83, SE-822 22 ALFTA
Fax +46 271 75 76 89

Kopparlundsvägen 14
SE-721 30 VÄSTERÅS
Fax + 46 21 40 32 10

Fyrisborgsgatan 4
SE-754 50 UPPSALA
Fax + 46 18 12 38 85

Contacts

Stefan Eriksson,

Product Life Cycle Manager

E-mail: stefan.eriksson@crosscontrol.com

Phone: +46 271 75 76 00
info@crosscontrol.com
www.crosscontrol.com

CrossControl
Box 83, SE-822 22 ALFTA
Fax +46 271 75 76 89

Kopparlundsvägen 14
SE-721 30 VÄSTERÅS
Fax + 46 21 40 32 10

Fyrisborgsgatan 4
SE-754 50 UPPSALA
Fax + 46 18 12 38 85