Product Change Notification – Major change

swissbit®

PCN #: PCN24-0013	Rev: 1.0	Issue Date: April 25, 2024

Purpose of notification:	Firmware update for F-86 Series CFast Cards
Type of notification:	Major change

Detailed Description:

Firmware update:
This product change notification is to inform you about a new recommended firmware availability for the F-86 product, which uses **A0R20008 (FW1)**.

The firmware **A0R20009 (FW2)** has been improved as follows:
- Improved command handling (TRIM, NCQ, COMRESET, SLEEP, DevSleep, SRST, secure erase, download microcode)
- Improved card boot behaviour to avoid seldom card detection problems
- Improved compatibility for hosts which send DMA commands if no DMA mode is selected
- Improved security feature set compatibility
- Improved host compatibility when SEEK or TRANSLATE commands are used.
- Improved SATA log page reporting for device sleep feature support and error reporting for NCQ commands
- Improved life time information for trim command counts
- Added slumber disable Bit to disable partial and slumber power modes if firmware feature bit 7 is set.

Swissbit has completed its internal testing and has qualified the new firmware to ensure full compatibility.
We recommend switching to the new firmware revision as soon as possible.
There is no change to form fit or function. Performance does not change and the data sheets remain unchanged.

Quality impact:	Improved

Reliability impact:	Improved

Product series affected:

Series	Part Number	New Part Number
F-86	SFCA010GH1A01T0-C-5S-21P-STD	SFCA010GH1A01T0-C-5S-22P-STD
	SFCA010GH1A01T0-I-5S-21P-STD	SFCA010GH1A01T0-I-5S-22P-STD
	SFCA020GH1A01T0-C-6B-21P-STD	SFCA020GH1A01T0-C-6B-22P-STD
	SFCA020GH1A01T0-I-6B-21P-STD	SFCA020GH1A01T0-I-6B-22P-STD
	SFCA040GH1A02T0-C-6B-21P-STD	SFCA040GH1A02T0-C-6B-22P-STD
	SFCA040GH1A02T0-I-6B-21P-STD	SFCA040GH1A02T0-I-6B-22P-STD
	SFCA080GH1A01T0-C-8C-21P-STD	SFCA080GH1A01T0-C-8C-22P-STD
	SFCA080GH1A01T0-I-8C-21P-STD	SFCA080GH1A01T0-I-8C-22P-STD
	SFCA160GH1A02T0-C-8C-21P-STD	SFCA160GH1A02T0-C-8C-22P-STD
	SFCA160GH1A02T0-I-8C-21P-STD	SFCA160GH1A02T0-I-8C-22P-STD

Implementation date: April 2024

Recommended action:
Qualification of products with the new firmware in the target system/application. Please contact your local Swissbit Sales contact for support on the sample schedule and/or special agreements.

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Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at customer.pcn@swissbit.com within 30 days. No response will be deemed as customer's acceptance of the change and the change will be implemented pursuant to the implementation date set forth in this PCN.

IMPORTANT NOTE:
Swissbit – as a provider of industrial products – announces and informs about every change in the product hardware and firmware. We always test backwards compatibility and assure best quality, reliability and transparency for our customers. We apologize for any inconvenience caused.
The dates mentioned are subject to change based on business and operational conditions.

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Products affected:

Series	ERP#	Part Number	New ERP#	New Part Number
F-86	607818	SFCA010GH1A01T0-C-5S-21P-STD	609653	SFCA010GH1A01T0-C-5S-22P-STD
	607819	SFCA010GH1A01T0-I-5S-21P-STD	609654	SFCA010GH1A01T0-I-5S-22P-STD
	607822	SFCA020GH1A01T0-C-6B-21P-STD	609655	SFCA020GH1A01T0-C-6B-22P-STD
	607823	SFCA020GH1A01T0-I-6B-21P-STD	609656	SFCA020GH1A01T0-I-6B-22P-STD
	607826	SFCA040GH1A02T0-C-6B-21P-STD	609657	SFCA040GH1A02T0-C-6B-22P-STD
	607827	SFCA040GH1A02T0-I-6B-21P-STD	609658	SFCA040GH1A02T0-I-6B-22P-STD
	607830	SFCA080GH1A01T0-C-8C-21P-STD	609659	SFCA080GH1A01T0-C-8C-22P-STD
	607831	SFCA080GH1A01T0-I-8C-21P-STD	609660	SFCA080GH1A01T0-I-8C-22P-STD
	607966	SFCA160GH1A02T0-C-8C-21P-STD	609661	SFCA160GH1A02T0-C-8C-22P-STD
	607965	SFCA160GH1A02T0-I-8C-21P-STD	609662	SFCA160GH1A02T0-I-8C-22P-STD