

## Product Change Notification – Major change

<b>PCN #:</b> PCN24-0021	<b>Rev:</b> 1.0	<b>Issue Date:</b> April 25, 2024																								
<b>Purpose of notification:</b> Firmware update for X-86m2 <b>Type of notification:</b> Major change																										
<b>Detailed Description:</b> <b>Firmware update:</b> This product change notification is to inform you about a new recommended firmware availability for the X-86 product, which uses <b>AOR20008 (FW1)</b> .  The firmware <b>AOR20009 (FW2)</b> has been improved as follows: <ul style="list-style-type: none"> <li>Improved command handling (TRIM, NCQ, COMRESET, SLEEP, DevSleep, SRST, secure erase, download microcode)</li> <li>Improved card boot behaviour to avoid seldom card detection problems</li> <li>Improved compatibility for hosts which send DMA commands if no DMA mode is selected</li> <li>Improved security feature set compatibility</li> <li>Improved host compatibility when SEEK or TRANSLATE commands are used.</li> <li>Improved SATA log page reporting for device sleep feature support and error reporting for NCQ commands</li> <li>Improved life time information for trim command counts</li> <li>Added slumber disable Bit to disable partial and slumber power modes if firmware feature bit 7 is set.</li> </ul> <p>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.</p>																										
<b>Quality impact:</b> Improved																										
<b>Reliability impact:</b> Improved																										
<b>Product series affected:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 20%;">Series</th> <th style="width: 40%;">Part Number</th> <th style="width: 40%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td rowspan="10" style="text-align: center; vertical-align: middle;">X-86m2</td> <td>SFSA010GM1A01T0-C-5S-11P-STD</td> <td>SFSA010GM1A01T0-C-5S-12P-STD</td> </tr> <tr> <td>SFSA010GM1A01T0-I-5S-11P-STD</td> <td>SFSA010GM1A01T0-I-5S-12P-STD</td> </tr> <tr> <td>SFSA020GM1A01T0-C-6B-11P-STD</td> <td>SFSA020GM1A01T0-C-6B-12P-STD</td> </tr> <tr> <td>SFSA020GM1A01T0-I-6B-11P-STD</td> <td>SFSA020GM1A01T0-I-6B-12P-STD</td> </tr> <tr> <td>SFSA040GM1A02T0-C-6B-21P-STD</td> <td>SFSA040GM1A02T0-C-6B-22P-STD</td> </tr> <tr> <td>SFSA040GM1A02T0-I-6B-21P-STD</td> <td>SFSA040GM1A02T0-I-6B-22P-STD</td> </tr> <tr> <td>SFSA080GM1A01T0-C-8C-11P-STD</td> <td>SFSA080GM1A01T0-C-8C-12P-STD</td> </tr> <tr> <td>SFSA080GM1A01T0-I-8C-11P-STD</td> <td>SFSA080GM1A01T0-I-8C-12P-STD</td> </tr> <tr> <td>SFSA160GM1A02T0-C-8C-21P-STD</td> <td>SFSA160GM1A02T0-C-8C-22P-STD</td> </tr> <tr> <td>SFSA160GM1A02T0-I-8C-21P-STD</td> <td>SFSA160GM1A02T0-I-8C-22P-STD</td> </tr> </tbody> </table>			Series	Part Number	New Part Number	X-86m2	SFSA010GM1A01T0-C-5S-11P-STD	SFSA010GM1A01T0-C-5S-12P-STD	SFSA010GM1A01T0-I-5S-11P-STD	SFSA010GM1A01T0-I-5S-12P-STD	SFSA020GM1A01T0-C-6B-11P-STD	SFSA020GM1A01T0-C-6B-12P-STD	SFSA020GM1A01T0-I-6B-11P-STD	SFSA020GM1A01T0-I-6B-12P-STD	SFSA040GM1A02T0-C-6B-21P-STD	SFSA040GM1A02T0-C-6B-22P-STD	SFSA040GM1A02T0-I-6B-21P-STD	SFSA040GM1A02T0-I-6B-22P-STD	SFSA080GM1A01T0-C-8C-11P-STD	SFSA080GM1A01T0-C-8C-12P-STD	SFSA080GM1A01T0-I-8C-11P-STD	SFSA080GM1A01T0-I-8C-12P-STD	SFSA160GM1A02T0-C-8C-21P-STD	SFSA160GM1A02T0-C-8C-22P-STD	SFSA160GM1A02T0-I-8C-21P-STD	SFSA160GM1A02T0-I-8C-22P-STD
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<b>Implementation date:</b> April 2024																										
<b>Recommended action:</b> 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.																										

## Product Change Notification – Major change

Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at [customer.pcn@swissbit.com](mailto: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
X-86m2	607481	SFSA010GM1A01T0-C-5S-11P-STD	609643	SFSA010GM1A01T0-C-5S-12P-STD
	607482	SFSA010GM1A01T0-I-5S-11P-STD	609644	SFSA010GM1A01T0-I-5S-12P-STD
	607484	SFSA020GM1A01T0-C-6B-11P-STD	609645	SFSA020GM1A01T0-C-6B-12P-STD
	607485	SFSA020GM1A01T0-I-6B-11P-STD	609646	SFSA020GM1A01T0-I-6B-12P-STD
	607486	SFSA040GM1A02T0-C-6B-21P-STD	609647	SFSA040GM1A02T0-C-6B-22P-STD
	607487	SFSA040GM1A02T0-I-6B-21P-STD	609648	SFSA040GM1A02T0-I-6B-22P-STD
	607489	SFSA080GM1A01T0-C-8C-11P-STD	609649	SFSA080GM1A01T0-C-8C-12P-STD
	607490	SFSA080GM1A01T0-I-8C-11P-STD	609650	SFSA080GM1A01T0-I-8C-12P-STD
	607964	SFSA160GM1A02T0-C-8C-21P-STD	609651	SFSA160GM1A02T0-C-8C-22P-STD
	607963	SFSA160GM1A02T0-I-8C-21P-STD	609652	SFSA160GM1A02T0-I-8C-22P-STD