

# Product Notification Form

<b>PCN #:</b> PCN20-0062	<b>Rev:</b> 1.0	<b>Issue Date:</b> November 27, 2020	
<b>Type of Change:</b> EOL notification			
<p><b>Detailed Description:</b>          This notification is to inform you about the discontinuation (EOL, End of Life) of the U-110 eUSB 2.0 product series due to Kioxia 43nm SLC NAND flash EOL announcement.</p> <p>To ensure continuous supply without interruptions, Swissbit highly recommends to qualify and release the successor products with latest SLC or alternatively 3D pSLC NAND technology. The new products provide a superior firmware architecture (high write IOPS) and an advanced feature set like improved Power Fail Safety and Data Care Management.</p>			
<b>Reason for change:</b> Component availability / EOL notification			
<b>Products affected:</b>			
<b>Series</b>	<b>Recommended eUSB 2.0 replacement series</b>	<b>Alternative eUSB 3.1 replacement series</b>	
U-110 (SLC, 43nm) – 1GB-8GB	U-450 (SLC, 24nm) – 2GB-16GB* U-48 (3D pSLC) – 8GB-16GB*	U-500 (SLC, 24nm) – 4GB-32GB* U-58 (3D pSLC) – 8GB-16GB*	
* custom user capacity setting with overprovisioning (OP) is available upon request.			
<b>SLC series comparison:</b>			
	<b>U-110 eUSB</b>	<b>U-450 eUSB</b>	<b>U-500 eUSB</b>
<b>Interface</b>	USB 2.0		USB 3.1
<b>Temperature Range</b>	C-Temp 0 to 70°C I-Temp -40 to +85°C		
<b>NAND</b>	SLC 43nm	SLC 24nm	SLC 24nm
<b>Density</b>	1GB to 8GB	2GB to 16GB	4GB to 32GB
<b>Sequential R/W</b>	Up to 32/23 MB/s	Up to 36/26 MB/s	Up to 175/90 MB/s
<b>Random R/W, 4k</b>	Up to 2000/30 IOPS	Up to 1900/1400 IOPS	Up to 3000/1100 IOPS
<b>Firmware Type</b>	Block based	Page based	
<b>Power Fail</b>	Standard	Excellent	Excellent
<b>Read Retry / Data Scrambling</b>	Not supported	Supported	
<b>Read Disturb Management</b>	Not supported	Supported	
<b>Diagnostic / LTM</b>	Limited	Advanced	
<b>Supply voltage</b>	5.0V (optional 3.3V part)	3.3V and 5.0V (same part)	
<b>Connector</b>	2.54mm or 2.00mm – 10 pin (key option)		
<b>Milestones:</b>			
<b>Milestone</b>	<b>Date</b>		
Official notification to customer	November 27, 2020		
Last Time Buy (LTB)	May 28, 2021		
Last Time Shipment (LTS)	November 30, 2021		
<b>Recommended action:</b>			
Qualification of the successor product series U-450 / U-48 in the target system/application.			
U-450/U-48 and U-500/U-58 products are available now.			
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](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.**

**Products affected:**

Swissbit ERP#	Description	Series	Recommended successor product series
604506	SFUI1024J3BP2T0-I-MS-221-STD	U-110	U-450 2GB SFUI2048c2AB2T0-t-MS-2A1-STD (custom user capacity or configuration on request)
604507	SFUI1024J3BP2T0-C-MS-221-STD	U-110	
604510	SFUI1024K3BP2T0-I-MS-221-STD	U-110	
604511	SFUI1024K3BP2T0-C-MS-221-STD	U-110	
604493	SFUI2048J3BP2T0-I-MS-221-STD	U-110	
604512	SFUI2048J3BP2T0-C-MS-221-STD	U-110	
604513	SFUI2048K3BP2T0-I-MS-221-STD	U-110	
604514	SFUI2048K3BP2T0-C-MS-221-STD	U-110	
604515	SFUI4096J3BP2T0-I-DT-221-STD	U-110	U-48 8GB SFUI008Gc2AB1T0-t-5S-2AP-STD (custom user capacity or configuration on request)
604516	SFUI4096J3BP2T0-C-DT-221-STD	U-110	
604517	SFUI4096K3BP2T0-I-DT-221-STD	U-110	
604518	SFUI4096K3BP2T0-C-DT-221-STD	U-110	
604519	SFUI8192J3BP2T0-I-QT-221-STD	U-110	U-450 8GB SFUI008Gc2AB2T0-t-MS-2A1-STD (custom user capacity or configuration on request)
604520	SFUI8192J3BP2T0-C-QT-221-STD	U-110	
605032	SFUI8192K3BP2T0-I-QT-221-STD	U-110	
			U-48 8GB SFUI008Gc2AB1T0-t-5S-2AP-STD (custom user capacity or configuration on request)

c = connector (J=2.54mm, K=2.00mm), t = temperature grade C (0..+70°C) or I (-40..+85°C)