

Product Notification Form

PCN #: PCN20-0063	Rev: 1.0	Issue Date: November 27, 2020		
Type of Change: EOL notification				
<p>Detailed Description: This notification is to inform you about the discontinuation (EOL, End of Life) of the unitedCONTRAST II USB 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 pSLC or MLC NAND technology. The new products are based on the same housing design, offer a fast USB3.1 interface and provide a superior firmware architecture (high write IOPS), but also an advanced feature set like improved Power Fail Safety and Data Care Management.</p>				
Reason for change: Component availability / EOL notification				
Products affected:				
Series	Recommended replacement series	Alternative replacement series		
unitedCONTRAST II (SLC, 43nm) – 512MB-8GB	U-500k (SLC, 24nm) – 2GB-32GB*	U-56k (pSLC, 15nm) – 8GB-64GB* U-50k (MLC, 15nm) – 16GB-128GB*		
<p>g = generation t = temperature grade C or I, y = firmware, x = options and custom configuration * custom user capacity setting with overprovisioning (OP) is available upon request.</p>				
Series comparison:				
	unitedCONTRAST II	U-500k	U-56k	U-50k
Interface	USB 2.0	USB 3.1		
Temperature Range	C-Temp 0 to 70°C I-Temp -40 to +85°C			
NAND	SLC 43nm	SLC 24nm	pSLC 15nm	MLC 15nm
Density	512MB to 8GB	2GB to 32GB	8GB to 64GB	16GB to 128GB
Sequential R/W	Up to 32/23 MB/s	Up to 180/100 MB/s	Up to 190/111 MB/s	Up to 153/64 MB/s
Random R/W, 4k	Up to 2200/30 IOPS	Up to 3700/1980 IOPS	Up to 4000/1520 IOPS	Up to 3220/930 IOPS
Firmware Type	Block based	Page based		
Power Fail	Standard	Excellent	Excellent	Excellent
Read Retry / Data Scrambling	Not supported	Supported		
Read Disturb Management	Not supported	Supported		
Diagnostic / LTM	Limited	Advanced		
Connector	USB 2.0 Type-A	USB 3.0 Type-A		
Milestones:				
Milestone	Date			
Official notification to customer	November 27, 2020			
Last Time Buy (LTB)	May 28, 2021			
Last Time Shipment (LTS)	November 30, 2021			
Recommended action:				
<p>Qualification of the successor product series U-500k in the target system/application. U-500k, U-56k and U-50k products are available now. Please contact your local Swissbit Sales contact for support on the sample schedule and/or special agreements.</p>				

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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.

Products affected:

Swissbit ERP#	Description	Series	Recommended successor product series
604496	SFU20512E3BP2T0-I-MS-121-STD	unitedCONTRAST II	U-500k 2GB SFU32048E1AE1T0-t-QT-1A1-STD (custom user capacity or configuration on request)
604497	SFU20512E3BP2T0-C-MS-121-STD	unitedCONTRAST II	
605142	SFU20512E3BP2T0-I-MS-121-HAM	unitedCONTRAST II	
605850	SFU20512E3BP2T0-I-MS-121-SPG	unitedCONTRAST II	
604498	SFU21024E3BP2T0-I-MS-121-STD	unitedCONTRAST II	
604499	SFU21024E3BP2T0-C-MS-121-STD	unitedCONTRAST II	
605007	SFU21024E3BP2T0-I-MS-121-E&H	unitedCONTRAST II	
608044	SFU21024E3BP2T0-I-MS-121-CYT	unitedCONTRAST II	
604500	SFU22048E3BP2T0-I-MS-121-STD	unitedCONTRAST II	
604501	SFU22048E3BP2T0-C-MS-121-STD	unitedCONTRAST II	
605471	SFU22048E3BP2T0-I-MS-121-LB1	unitedCONTRAST II	
604502	SFU24096E3BP2T0-I-DT-121-STD	unitedCONTRAST II	U-500k 4GB SFU34096E1AE1T0-t-MS-1A1-STD (custom user capacity or configuration on request)
604503	SFU24096E3BP2T0-C-DT-121-STD	unitedCONTRAST II	
604567	SFU24096E3BP2T0-C-DT-121-KU1	unitedCONTRAST II	
604504	SFU28192E3BP2T0-I-QT-121-STD	unitedCONTRAST II	U-500k 8GB SFU3008GE1AE1T0-t-DB-1A1-STD (custom user capacity or configuration on request)
604505	SFU28192E3BP2T0-C-QT-121-STD	unitedCONTRAST II	
604410	SFU28192E1BP2T0-I-QT-111-JGL	unitedCONTRAST II	
605012	SFU28192E3BP2T0-I-QT-121-JGL	unitedCONTRAST II	
604320	SFU28192E3BP2T0-C-QT-121-KUK	unitedCONTRAST II	

t = temperature grade C (0..+70°C) or I (-40..+85°C)