Product Notification Form

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PCN #: PCN18-0021	**Rev:** 1.0	**Issue Date:** August 3rd, 2018

Reason for Notification: EOL of Micron-based CompactFlash (CF) Cards C-300L 2GB – 8GB
➔ switch to equivalent products C-300/ C-320 with Toshiba NAND and/or qualify next generation CF cards C-500/C-56

Detailed Description:

The Micron 34nm 16Gb SLC NAND (QDP, 4Gb based) is going EOL, affecting the Swissbit C-300L CompactFlash Cards with 2GB – 8GB capacity. To ensure continuous supply without interruptions, Swissbit recommends to qualify our alternative CompactFlash Cards.

The equivalent Swissbit C-300 / C-320 CF Cards with Toshiba NAND are available until 2020 and can be used as drop-in replacements. For best long-term availability (at least 2023), we recommend to qualify the C-500 / C-56 CF cards with superior firmware architecture (high write IOPS) and improved features.

	EOL announcement for 2GB – 8GB	Drop-in replacement – business continuity. Limited long-term availability	Recommended replacements – for better long-term availability, demand flexibility, price	
	C-300L	**C-300 / C-320**	**C-500**	**C-56**
NAND	SLC Micron 34nm	SLC Toshiba 43nm	SLC Toshiba 24nm	pSLC Toshiba 15nm
Controller	Hyperstone F3	Hyperstone F3 / F4	Hyperstone F9	
Densities	32MB–8GB	128MB–4GB / 2GB–16GB	512MB–64GB	4GB–64GB
Firmware Type	Block based		Page based	
Interface	CFA4.1 True IDE / PC card – up to UDMA4/MDMA4/PIO6		CFA5.0 (6.1 compatible) True IDE / PC card – up to UDMA6/MDMA4/PIO6	
Temperature Range	Commercial (0...70°C) Industrial (-40...85°C)			
Sequential R/W	Up to 37 / 20 MB/s	Up to 37 / 20 MB/s	Up to 67 / 58 MB/s	Up to 100 / 70 MB/s
Random R/W, 4k	Up to 3.3k / 50 (!) IOPS	Up to 3.3k / 40 (!) IOPS	Up to 2.7k / 2.3k IOPS	Up to 3.8k / 3k IOPS
Firmware Type	Block based		Page based	
Features	–		Data care management, improved compatibility	
Pricing	$$$	$$$	$$	$
Availability	<2GB: 2021 2GB–8GB: Nov-2018 (LTB)	2020	ES now, QS Oct/2018 Available until 2023+	

Products affected:

Density	EOL Part Number C-300L	Replacement Option 1: C-300 / C-320	Replacement Opt. 2: C-500 (recommended)	Replacement Opt. 3: C-56
2 GB	SFCF2048H1BK1MT-t-QT-xxx-xxx	SFCF2048H1BK1T0-t-DT-xxx-xxx / SFCF2048H1B02T0-t-M0-xxx-xxx	SFCF2048H1AF2T0-t-DS-517-xxx	n/a, use 4GB
4 GB	SFCF4096H1BK2MT-t-QP-xxx-xxx	SFCF4096H1BK1T0-t-QT-xxx-xxx / SFCF4096H1B02T0-t-D1-xxx-xxx	SFCF4096H1AF2T0-t-QT-517-xxx	SFCF4096H1AF1T0-t-GS-51P-xxx
8 GB	SFCF8192H1BK4MT-t-QT-xxx-xxx	SFCF8192H1B02T0-t-Q1-xxx-xxx	SFCF008GH1AF2T0-t-MS-517-xxx	SFCF008GH1AF2T0-t-GS-51P-xxx

t = temperature grade C or I; x = firmware, options and custom configuration

Implementation date: November 5, 2018 (LTB)

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Forecasted Milestones:

Milestone	Date
Last Time Buy	November 5, 2018
Last Time Shipment	June 29, 2019

Recommended action: Please contact Swissbit Sales to get recommendations on replacement parts as well as to discuss order options and a delivery plan for C-300L (LTB).

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 changes that will affect the form, fit, function or reliability of our products. We always test backwards compatibility and assure best quality, reliability and transparency for our customers. We apologize for any inconvenience caused.

Products affected:

Affected products:

PN	Description	Series
604745	SFCF2048H1BK1MT-C-QT-553-SMA	C-300L
605759	SFCF2048H1BK1MT-C-QT-563-SMA	C-300L
605106	SFCF2048H1BK1MT-I-QT-553-ASR	C-300L
604746	SFCF2048H1BK1MT-I-QT-553-SMA	C-300L
605763	SFCF2048H1BK1MT-I-QT-563-SMA	C-300L
604750	SFCF4096H1BK2MT-C-QP-553-SMA	C-300L
605764	SFCF4096H1BK2MT-C-QP-563-SMA	C-300L
604749	SFCF4096H1BK2MT-I-QP-553-SMA	C-300L
605765	SFCF4096H1BK2MT-I-QP-563-SMA	C-300L
604753	SFCF8192H1BK4MT-C-QT-553-SMA	C-300L
605766	SFCF8192H1BK4MT-C-QT-563-SMA	C-300L
604754	SFCF8192H1BK4MT-I-QT-553-SMA	C-300L
605767	SFCF8192H1BK4MT-I-QT-563-SMA	C-300L