

Product Notification Form

PN #: PCN_20160817_X-55_EOL_STD	Rev: 1.0	Issue Date: August 17, 2016																																							
Type of Change: EOL notification																																									
<p>Detailed description of change</p> <p>This notification is to inform you about the discontinuation (End of Life) of the X-55 SATA 2.5" product series. The NAND flash is going EOL by Toshiba.</p> <p>Swissbit advises customers to qualify the successor product series X-60 with SATA 6Gb/s support.</p> <p>Comparison of X-55 and X-60 product series:</p> <table border="1"> <thead> <tr> <th></th> <th>X-55</th> <th>X-60</th> </tr> </thead> <tbody> <tr> <td>Product / Density</td> <td>2.5" SATA / 30-480GB</td> <td>2.5" SATA / 30-960GB</td> </tr> <tr> <td>NAND</td> <td>eMLC 24nm</td> <td>MLC 15nm</td> </tr> <tr> <td>Endurance</td> <td>30,000 PE</td> <td>3,000 PE</td> </tr> <tr> <td>Retention</td> <td>5y @3,000PE 0.25y @30,000 PE</td> <td>10y @300PE 1y @3,000 PE</td> </tr> <tr> <td>Performance</td> <td>SATA Rev. II (300MB/s)</td> <td>SATA Rev. III (600MB/s)</td> </tr> <tr> <td>R/W seq (MB/s)</td> <td>Up to 240/160</td> <td>Up to 520/450</td> </tr> <tr> <td>R/W rand (4k IOPS)</td> <td>Up to 3,200/14,800</td> <td>Up to 75,000/75,000</td> </tr> <tr> <td>Current max/idle</td> <td>700/200 mA</td> <td>1200/60 mA</td> </tr> <tr> <td>TBW client</td> <td>420 (@60GB)</td> <td>114 (@60GB)</td> </tr> <tr> <td>enterprise</td> <td>310(@60GB)</td> <td>18 (@60GB)</td> </tr> <tr> <td>Secure erase</td> <td>Supported</td> <td>Not supported</td> </tr> <tr> <td>Connector</td> <td>Connector with latch protection, additional special feature connector</td> <td>Standard connector</td> </tr> </tbody> </table>				X-55	X-60	Product / Density	2.5" SATA / 30-480GB	2.5" SATA / 30-960GB	NAND	eMLC 24nm	MLC 15nm	Endurance	30,000 PE	3,000 PE	Retention	5y @3,000PE 0.25y @30,000 PE	10y @300PE 1y @3,000 PE	Performance	SATA Rev. II (300MB/s)	SATA Rev. III (600MB/s)	R/W seq (MB/s)	Up to 240/160	Up to 520/450	R/W rand (4k IOPS)	Up to 3,200/14,800	Up to 75,000/75,000	Current max/idle	700/200 mA	1200/60 mA	TBW client	420 (@60GB)	114 (@60GB)	enterprise	310(@60GB)	18 (@60GB)	Secure erase	Supported	Not supported	Connector	Connector with latch protection, additional special feature connector	Standard connector
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<p>Reason for change:</p> <p>Component availability / EOL Notification</p>																																									
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Implementation date: February 24, 2017 (LTB)																																									
<p>Forecasted Milestones:</p> <table border="1"> <thead> <tr> <th>Milestone</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Qualification samples</td> <td>Alternative X-60 series will be available mid-November 2016</td> </tr> <tr> <td>Last Time Buy</td> <td>February 24, 2017</td> </tr> <tr> <td>Last Time Shipment</td> <td>September 30, 2017</td> </tr> </tbody> </table>			Milestone	Date	Qualification samples	Alternative X-60 series will be available mid-November 2016	Last Time Buy	February 24, 2017	Last Time Shipment	September 30, 2017																															
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<p>Recommended Action: Qualification of the successor product series X-60 in the target system/application is recommended.</p>																																									

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Should you have any issues with the content of this change, please contact the representative listed below within 20 days. No response will be deemed as customer's acceptance of the change and the change will be implemented.

Contacts	Name	Email
Application Engineer - EMEA	Pablo Dorronsoro	pablo.dorronsoro@swissbit.com
Application Engineer - NA	Roland Ochoa	roland.ochoa@swissbit.com
Application Engineer - JP	Junji Kaneko	junji.kaneko@swissbit.com

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:

X-55 Series SATA 2.5"		
Density	SAP	Part number
30GB	604436	SFSA030GQ1BJ2T0-C-LB-216-STD
	604945	SFSA030GQ1BJ2T0-C-LB-226-STD
	604435	SFSA030GQ1BJ2T0-I-LB-216-STD
	604946	SFSA030GQ1BJ2T0-I-LB-226-STD
60GB	604434	SFSA060GQ1BJ4T0-C-LB-216-STD
	605565	SFSA060GQ1BJ4T0-C-LB-226-STC
	604948	SFSA060GQ1BJ4T0-C-LB-226-STD
	604433	SFSA060GQ1BJ4T0-I-LB-216-STD
	605566	SFSA060GQ1BJ4T0-I-LB-226-STC
	604947	SFSA060GQ1BJ4T0-I-LB-226-STD
120GB	604432	SFSA120GQ1BJ8T0-C-LB-216-STD
	604949	SFSA120GQ1BJ8T0-C-LB-226-STD
	604431	SFSA120GQ1BJ8T0-I-LB-216-STD
	604950	SFSA120GQ1BJ8T0-I-LB-226-STD
240GB	604430	SFSA240GQ1BJ4T0-C-OC-216-STD
	605191	SFSA240GQ1BJ4T0-C-OC-226-STC
	604952	SFSA240GQ1BJ4T0-C-OC-226-STD
	604429	SFSA240GQ1BJ4T0-I-OC-216-STD
	605044	SFSA240GQ1BJ4T0-I-OC-226-STC
	604951	SFSA240GQ1BJ4T0-I-OC-226-STD
480GB	604428	SFSA480GQ1BJ8T0-C-OC-216-STD
	605192	SFSA480GQ1BJ8T0-C-OC-226-STC
	604953	SFSA480GQ1BJ8T0-C-OC-226-STD
	604427	SFSA480GQ1BJ8T0-I-OC-216-STD
	605193	SFSA480GQ1BJ8T0-I-OC-226-STC
	604954	SFSA480GQ1BJ8T0-I-OC-226-STD

X-55 Series SATA 2.5" -EA1		
Density	SAP	Part number
240GB	605851	SFSA240GQ1BJ4T0-C-OC-226-EA1
480GB	605852	SFSA480GQ1BJ8T0-C-OC-226-EA1