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**TOSHIBA EXPANDS ENTERPRISE SOLID STATE DRIVE FAMILY WITH  
A NEW MODEL DESIGNED FOR WRITE-INTENSIVE WORKLOADS**

*The PX02SS is optimized for online transaction processing*

**IRVINE, Calif. — October 28, 2013** — The Storage Products Business Unit of Toshiba America Electronic Components, Inc., a committed technology leader, announces a new addition to its family of enterprise solid state drives (eSSD), the PX02SS. In capacities of up to 800GB<sup>1</sup>, the new 2.5-inch form factor SAS interface eSSD is designed for various write-intensive enterprise applications and is ideally suited for large workloads, such as data processing and online transactions.

The PX02SS features a 12 Gb/second<sup>2</sup> SAS interface, and select models offer industry standard self-encrypting technology. With high transaction workloads in mind, the newest eSSD supports up to 30 full drive writes per day<sup>3</sup> for all available capacity points and has a layered error correction code (ECC) approach for improved reliability. The PX02SS underscores the breadth of Toshiba's storage products, both SSDs and hard disk drives (HDDs) for mobile and enterprise markets, giving customers a "one stop shop" capability for their storage requirements.

"Toshiba's unique integrated SSD design and manufacturing capability ensures that key components of the SSD, including NAND flash, are designed by Toshiba," said Don Jeanette, senior director of product marketing at Toshiba Storage Products Business Unit. "Component and design commonality reduces qualification time for

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<sup>1</sup> Definition of capacity: Toshiba defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2<sup>30</sup> = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

<sup>2</sup> Read and write speed may vary depending on the host device, read and write conditions, and file size.

<sup>3</sup> Thirty full drive writes per day means the drive can be written and re-written to full capacity 30 times a day for five years, the stated product warranty period. Actual results may vary due to system configuration, usage, and other factors.

our customers and reflects Toshiba’s partner-driven approach to SSD design and manufacturing, helping our customers save time and money.”

The PX02SS high endurance eSSDs are available now. For more information on Toshiba’s line of industry-leading SSDs, HDDs and SSHDs, visit [www.toshibastorage.com](http://www.toshibastorage.com). To connect with Toshiba Storage, visit the corporate blog at <http://storage.toshiba.com/corporateblog/> and follow [@ToshibaStorage](https://twitter.com/ToshibaStorage) on Twitter.

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### Specifications

		PX02SS series			
<b>User Capacity</b>	GB	100 GB	200 GB	400GB	800GB
<b>NAND</b>		24nm eMLC			
<b>Interface</b>		SAS 6Gb/s / 12Gb/s, Dual port			
<b>Form Factor (Height)</b>	2.5" SFF	7.0 mm			15.0 mm
<b>Performance</b> (@ QD = 32, Aligned, Sustained, Entropy=100%)					
Sequential Read 64KiB	MB/s	1100 MiB/s <sup>4</sup>			1060 MiB/s
Sequential Write 64KiB	MB/s	410 MiB/s			
Random Read 4KiB	KIOPS	130,000 IOPS			
Random Write 4KiB	KIOPS	42,000 IOPS			
<b>Endurance</b> (per life, w/ 4KiB aligned Ran. W)	PBW	5.475 PB	10.95 PB	21.9 PB	43.8 PB
<b>Data Retention</b> (@ EOL, Power removed)		3 months @ < 40C			
<b>MTTF</b>	MPOH	2.0			
<b>Product Life</b>	Years	5			
<b>Temperature</b>					
Operating	Ta C	0° to 55° C			
Non-Operating	Ta C	-40° to 70° C			

#### About Toshiba Storage Products

Toshiba Corporation and its affiliates offer one-of-a-kind global storage solutions, offering hard disk drives (HDDs), solid state drives (SSDs) and NAND flash memories — technologies that drive a wide

<sup>4</sup> Performance speeds based on 12Gb/s interface speed by dual port

range of consumer electronics, computer and automotive applications, as well as enterprise solutions for the global marketplace. Toshiba is a leader in the development, design and manufacture of mobile, consumer and enterprise hard disk drives and solid state drives. In North America, the Storage Products Business Unit of Toshiba America Electronic Components, Inc., markets high-quality storage peripherals to original equipment manufacturers, original design manufacturers, value-added resellers, value-added dealers, systems integrators and distributors worldwide. Inherent in the Toshiba storage family are the high-quality engineering and manufacturing capabilities that have established Toshiba products as innovation leaders worldwide. For more information, visit [www.toshibastorage.com](http://www.toshibastorage.com).

**About Toshiba Corp. and Toshiba America Electronic Components, Inc. (TAEC)**

Through proven commitment, lasting relationships and advanced, reliable electronic components, Toshiba enables its customers to create market-leading designs. Toshiba is the heartbeat within product breakthroughs from OEMs, ODMs, CMs, VARs, distributors and fabless chip companies worldwide. A committed electronic components leader, Toshiba designs and manufactures high-quality flash memory-based storage solutions, solid state drives (SSDs), hard disk drives (HDDs), discrete devices, advanced materials, medical tubes, custom SoCs/ASICs, imaging products, microcontrollers and wireless components that make possible today's leading smartphones, tablets, MP3 players, cameras, medical devices, automotive electronics, enterprise solutions and more.

[Toshiba America Electronic Components, Inc.](http://www.toshiba.co.jp/index.htm) is an independent operating company owned by Toshiba America, Inc., a subsidiary of Toshiba Corporation, Japan's largest semiconductor manufacturer and the world's fifth largest semiconductor manufacturer (Gartner, 2012 Worldwide Semiconductor Revenue, April, 2013). Toshiba Corporation was founded in 1875 and today has over 554 subsidiaries and affiliates, with 210,000 employees worldwide. Visit Toshiba's web site at [www.toshiba.co.jp/index.htm](http://www.toshiba.co.jp/index.htm).

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