



Toshiba Announces Next Generation 15,000rpm Enterprise Performance HDD

Toshiba AL14SX Series delivers high mission critical disk drive performance in capacities up to 900GB in a power-saving, low-latency 2.5inch form-factor.

Düsseldorf, Germany, 13 June 2017 - Toshiba Electronics Europe GmbH (TEE) announces the availability of the new AL14SX Series HDD – a family of 15,000rpm enterprise performance hard disk drives for mission critical servers and storage. Boasting a new 900GB^[1] capacity model, this drive series features a 50 percent capacity increase and superior performance and power savings compared to Toshiba's prior AL13SX generation.

The AL14SX Series is available in 300GB, 600GB and 900GB capacities in a compact 2.5 inch, 15mm form-factor, saving rack space and reducing mission critical storage footprint as well as operational burden. Available models support 512 native, 4K native or emulated 512 sector length technologies for optimized compatibility with industry standard applications and operating environments.

At 290 MiB/s^{[2][3]} with 4Kn/512e model and 5.6 watt power consumption rating, the AL14SX features a 19 percent increase in maximum sustained transfer rate and a 28.7 percent improvement in power efficiency (W/GB) over the prior AL13SX generation.

“The new 900GB AL14SX Enterprise Performance models are a logical extension of our successful AL13SX model line-up and are well matched to the latest generation servers and storage systems,” said Noriaki Katakura, General Manager of Toshiba Electronics Europe,

HDD Business Unit. “With both 512n sector and Advanced Format sector models available, the AL14SX Series provides high performance and capacity for mission critical workloads that demand low HDD latency and superior data integrity.”

The AL14SX Series features optional Sanitize Instant Erase (SIE)^[4] models and leverages Toshiba’s persistent write cache technology for robust data integrity in sudden power-loss environments. Each model is purpose-built for tier one mission critical servers; RAID (redundant array of independent disks) storage; servers hosting databases and transaction-based applications; high-performance computing; and rack-optimized data centers. This is just the latest in Toshiba’s innovative HDD offerings that led to the company being named the fastest growing HDD vendor segment in 2016 over 2015^[5] in a recent IDC market report^[6].

The AL14SX drives are now shipping. For more information on Toshiba’s line of storage product, please visit: <http://toshiba.semicon-storage.com/eu/product/storage-products.html> .

Notes:

^[1] 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 1TB = 2^{40} = 1,099,511,627,776 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.

^[2] Read and write speed may vary depending on the host device, read and write conditions, and file size

^[3] A kibibyte (KiB) means 2^{10} , or 1,024 bytes, a mebibyte (MiB) means 2^{20} , or 1,048,576 bytes, and a gibibyte (GiB) means 2^{30} , or 1,073,741,824 bytes.

^[4] Sanitize Instant Erase (SIE) is a function to invalidate the data recorded on the magnetic disks at a blink.

^[5] As measured by revenue and units

^[6] Fastest growing HDD vendor in 2016 over 2015 as measured by revenue and units based on IDC Worldwide 4Q16 HDD Shipment Results and Four-Quarter Forecast Update (Feb 2017 - Doc #US42306617)

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About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) is the European electronic components business of [Toshiba Corporation](#). TEE offers a broad IC and discrete product line including high-end memory, microcontrollers, ASICs and ASSPs for automotive, multimedia, industrial, telecoms and networking applications. The company also has a wide range of power semiconductor solutions as well as storage products including HDDs, SSDs, SD Cards and USB sticks.

TEE was formed in 1973 in Neuss, Germany, providing design, manufacturing, marketing and sales and now has headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom. TEE employs approximately 300 people in Europe. Company president is Mr. Akira Morinaga. For more company information visit TEE's web site at www.toshiba.semicon-storage.com.

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