

Toshiba's Latest Enterprise Hard Disk Drives Qualified for Microchip Technology's Adaptec® HBAs and RAID Adapters

TAIPEI – Taiwan, March 10th, 2020 - Toshiba Electronic Components Taiwan Corporation (“Toshiba”) announced that Microchip Technology’s (“Microchip”) compatibility testing of the recently launched 16TB¹ 3.5-inch² Enterprise Capacity hard disk drive (HDD) from the [MG08 series](#) has been successfully completed on all Adaptec® host bus adapters (HBAs) and Redundant Array of Independent Disk (RAID) adapters. As a result, companies using Adaptec® Smart Storage adapters can now also install Toshiba's 16TB Enterprise drives.

Enterprise HDDs are usually operated in large networks and connected to the host server system via HBAs or RAID adapters. In this respect, the smooth interplay of hard disk drives and HBA / RAID adapters is essential for the functionality and stability of enterprise and cloud storage systems.

The confirmed compatibility of the MG08 series refers to the SATA models MG08ACA16TE (512 byte block) and MG08ACA16TA (4k byte block), as well as to the products with SAS interface MG08SCA16TE (512) and MG08SCA16TA (4k). Tests were carried out on the Adaptec® HBA 1100 series HBAs and the Adaptec® SmartRAID 3100 series RAID adapters and the still widely used predecessor, the Adaptec® Series 8 RAID adapters. Not only were the basic functionality and compatibility of the interfaces tested, but also hot-plug tests, power on tests, and reboot tests were performed. Long-term stability was also confirmed by an extended duration test which is conducted by Microchip. The MG08 hard drives have thus qualified for entry on Microchip's compatibility list.

Takayoshi Tokushima, Senior Manager of Marketing Division at Asia Strategic Alliance, Toshiba Storage Products explains: “Based on the excellent long-term cooperation with Microchip, we were able to qualify the new HDD generation for compatibility with Microchip’s adapters shortly after the market launch. This is a very important contribution to the implementation of stable storage systems for the constantly growing amount of data.”

The previous series of Enterprise Capacity HDDs (MG04 / MG05 / MG06 / MG07) were also tested and qualified in the same way as described above by Microchip in the past. This also applies to the Enterprise Performance drives of the AL12 / AL13 / AL14 and AL15 series.

For more information on Toshiba's full line of HDD storage products, please visit:

<https://toshiba.semicon-storage.com/ap-en/product/storage-products.html>

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[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 1GB = 2³⁰ = 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.

[2] "3.5-inch" means the form factor of Hard Drives. They do not indicate drive's physical size.

* Information in this document, including product prices and specifications, content of services and contact information, is current and believed to be accurate on the date of the announcement but is subject to change without prior notice.

* Images displayed in the banners are for illustration purposes only and do not show the actual products. The images are merely intended to help illustrate the function of the products.

* Company names, product names, and service names may be trademarks of their respective companies.

About Toshiba Electronic Components Taiwan Corporation (TET)

Toshiba Electronic Components Taiwan Corporation is responsible for the sales and marketing promotion and support of Toshiba hard disk drives and Toshiba External HDDs in Taiwan, China and Southeast Asian countries. TET is the best partner to Enterprise server, storage and notebook computers, and its mission is to offer the best service and products embodying the highest quality and most leading-edge technology. For more information, visit us at: <http://toshiba.semicon-storage.com/ap-en/product/storage-products.html>

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