

# Toshiba launches enterprise 2.5-inch HDD in industry's highest capacity class for drives with 10,500RPM rotation speed

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Toshiba Corporation today announced the launch of a line-up of four 2.5-inch enterprise HDDs with a 10,500 RPM rotation speed. The new drives include the AL13SEB900, which offers a 900GB capacity, the industry's highest class. Volume shipment will start in August.

An improved magnetic recording head and disk magnetic layer give the AL13SEB900 an [areal density](#) of 856Mbit/mm<sup>2</sup> (552Gbps) and realizes a 900GB capacity, the industry's highest class. The internal transfer rate is 286 MB/s, a boost of approximately 32% against the previous generation MBF2600RC, due to improved liner recording density.

The AL13SEB900 family is the first HDD series from Toshiba to employ a dual-stage head positioning actuator, which improves head positioning accuracy by approximately 30%. It achieves highly accurate tracking in a narrow tracking band, securing stable operation.

The [energy consumption](#) efficiency of AL13SEB900 is approximately 41% higher than that of its predecessor, MBF2600RC, due to lower [power consumption](#) by the controller IC and increased storage capacity. The AL13SEB900 family is also compatible with the European Union's RoHS directive and is Halogen-Free/Antimony-Free.

Demand for 2.5-inch HDD for enterprise applications is growing, as they have a smaller footprint and overall size and consume less power than 3.5-inch drives, while offering high level processing speeds and generating less heat.

Toshiba will meet the demand for enterprise applications, such as servers and storage systems by enhancing its line-up of 2.5-inch HDD with high capacity drives operating at 10,500 RPM.

**More information:** For more details, please visit:  
[www.toshiba.co.jp/env/en/management/vision2050.htm](http://www.toshiba.co.jp/env/en/management/vision2050.htm)

Source: Toshiba Corporation

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