

## MQ01AAD-C SERIES

### Automotive HDD

**End of Sales**

Toshiba's MQ01AAD-C series of 2.5-inch, 4,200 rpm HDDs are designed for the demanding automotive environments and industrial applications. The rugged design of the MQA01AAD-C enables optimized operation at higher altitudes, greater temperature ranges and vibrational conditions compared to normal HDDs for PCs (MQ01ABD series). The MQ01AAD-C is available in capacities up to 320 GB.



Product image may represent a design model.

### KEY FEATURES

- Altitude (Operating): -300 to +5,650 m
- Temperature Range: -30 to +85 °C (operating), -40 to +95 °C (non-operating)
- Vibrations of up to 3 G (29.4 m/s<sup>2</sup>)
- 3.0 Gbit/s SATA Interface
- Small Form Factor Design

### • APPLICATIONS

- Automotive
- Robotics
- Industrial

### SPECIFICATION

Item	MQ01AAD032C	MQ01AAD020C	MQ01AAD010C
Form Factor	2.5-inch		
Interface	SATA 3 Gbit/s		
Formatted Capacity	320 TB	200 TB	100TB
Performance	Rotation Speed	4200 rpm	
	Buffer Size	8 MiB	
	Internal Transfer Speed ( Typ. )	461 ~ 976 Mbit/s	
Power Consumption ( Low Power Idle ) ( Typ. )	0.8 W		
Weight ( Max )	109 g		

- Product image may represent design model.
- 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 1 GB = 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.
- A kibibyte (KiB) means 2<sup>10</sup>, or 1,024 bytes, a mebibyte (MiB) means 2<sup>20</sup>, or 1,048,576 bytes, and a gibibyte (GiB) means 2<sup>30</sup>, or 1,073,741,824 bytes.
- Read and write speed may vary depending on the host device, read and write conditions, and file size.
- "2.5-inch" and "3.5-inch" mean the form factor of HDDs or SSDs. They do not indicate drive's physical size.
- \*Company names, product names, and service names may be trademarks of their respective companies.