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Toshiba releases increased capacities and new model variations of the N300, X300, and L200

The N300, X300, and L200 HDD models now offer higher capacities up to 10 TB respectively 2 TB and complement Toshiba's new internal HDD lineup

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Electronics Europe GmbH (TEE) announces capacity expansions and new model variations to its lineup of internal hard disk drives (HDDs), expanding the company's profile in the hard drive space. Within the range, three of the hard drive families have been upgraded with different advances over previous models, including capacities and storage buffer. The N300 NAS Hard Drive for network attached storage (NAS) and the X300 Performance Hard Drive for high-performance or gaming PCs now feature a 10 TB^[1] model, as well as smaller variants, and larger cache options, while the L200 Laptop PC Hard Drive for consumer and professional laptops now comes with up to 2 TB of storage and an increased cache of up to 128 MB for the newly added models.

The 3.5-inch^[2] **N300 NAS Hard Drive** (N300) is designed for use in personal, home office and small business network attached storage applications such as for scalable RAID systems^[3]. The HDD family has expanded its capacity to 10 TB of storage (up from 8 TB in 2017). It is optimised for the performance, reliability and endurance requirements of 24/7 operation high-capacity storage.

The 10 TB model features 7,200 rpm, sustained data transfer speeds up to 248 MB/s and an increased, 256 MB data buffer, while all capacities come with rotational vibration (RV) sensors, as well as supporting a 180 TB/year workload rate^[4]. Toshiba has also implemented advanced technologies such as Toshiba's Stable Platter Technology and delivers high performance, reliability, endurance and scalability in multi-bay NAS systems in which large amounts of data need to be efficiently stored and accessed daily.

The 3.5-inch **X300 Performance Hard Drive** (X300) is targeted at both high-performance- and gaming-PC markets. Now offering up to 10 TB of storage, as well as 8 TB, 6 TB, 5 TB and 4 TB variants, the family can quickly store and provide access to even the fastest-growing gaming libraries. The HDD features Toshiba's Dynamic Cache Technology, optimizing cache allocation during read/write to provide high-level performance in real time, plus improved tracking accuracy performance through reduced system vibration during read/write operations.

The X300 runs at a 7,200 rpm read speed, and implements an increased, 256 MB data buffer to ensure a game is never affected by lag. The X300 delivers extreme

performance and robust capacity for creative and professional applications including graphic design, animation, photo and video editing, and PC gaming.

The 2.5-inch **L200 Laptop PC Hard Drive** (L200) for ultra-portable PCs and laptops provides high capacity upgrades, is shock and vibration-resistant and is designed to work with every major brand notebook computer, gaming systems and for external storage use. The 2018 family adds a new, thinner 1 TB version and increases the maximum storage to 2 TB. The HDD family now comes with two size options (7 and 9.5 mm) and three capacity options (500 GB, 1 TB and 2 TB). The new 2 TB 9.5 mm and the slim 1 TB 7 mm models offer an increased cache of 128 MB, which delivers improved performance over the 8 MB cache models. The L200 lineup has a low power profile compared with a 3.5-inch HDD, to help optimize the device's battery life, as well as built-in shock sensor and ramp loading technology for reliability.

part of this, each internal HDD family will now be colour-coded according to application: Gold for NAS (N300), silver for high-performance and gaming PCs (X300), green for surveillance-footage applications (S300), blue for video streaming (V300), red for consumer and professional PCs and laptops (P300, L200), and dark blue for enterprise systems (Enterprise Capacity MG Series, Enterprise Performance AL Series). Toshiba's new category branding will be displayed on both the device label and retail packaging to clearly communicate each HDD category's use case and device application.

Toshiba continues to expand product offerings with higher storage capacity and performance. The increased capacities for the N300, X300, and L200 HDD model series further illustrate Toshiba's efforts to continue offering drives for every storage application from PC, gaming, NAS, enterprise, surveillance and video streaming. General availability of the new capacity models will start in May 2018. For further information and the detailed product specifications visit: www.toshiba-storage.com.

Notes:

[1] Definition of capacity: A gigabyte (GB) is 1,000,000,000 bytes and a terabyte (TB) is 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of $1\text{TB} = 2^{40} = 1,099,511,627,776$ 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] 3.5-inch means the form factor of HDDs. It does not indicate drive's physical size.

[3] As for "Drive Bays Supported", please contact your solutions provider because the compatibility with the host device will vary based on the system.

[4] Workload is a measure of the data throughout of the year, and it is defined as the amount of data written, read or verified by commands from the host system.

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