



Toshiba expands TransMemory™ USB flash memory line-up including Windows ReadyBoost™ for external Windows Vista™ memory

New TransMemory U2K series enhanced for Windows ReadyBoost in 1GB to 8GB Capacities; 32GB version to be available by year-end

Toshiba Electronics Europe has announced that it has expanded its TransMemory™ family of USB flash memory devices including Windows ReadyBoost™ for use with the Microsoft® Windows Vista™ operating system. Developed by Toshiba Corp. (Toshiba), the TransMemory U2K Series includes Windows ReadyBoost functionality that enables users to boost system responsiveness of PCs running Vista by using USB memory as external memory. The Windows Vista operating system allows qualifying USB flash drives enhanced for Windows ReadyBoost to provide additional system memory, thus making PCs more responsive. The new Toshiba TransMemory U2K Series USB flash drives will initially be available in capacities from 1GB¹ to 8GB in October, with a 32GB version planned by year-end.

Outline of Toshiba TransMemory USB Flash Drives Enhanced for Windows ReadyBoost

Product Name	Part Number	Capacity	Availability
TransMemory	U2K-008GT	8GB	October
	U2K-004GT	4GB	
	U2K-002GT	2GB	
	U2K-001GT	1GB	
TransMemory 32GB Limited Edition	U2G-032GT	32GB	December

Background and purpose of development

Recently, demand for high capacity USB flash drives enhanced for Windows ReadyBoost has been steadily increasing the market for USB flash memory. Personal computers running Windows Vista have fostered development of increasingly large capacity flash drives, and also the need for ReadyBoost functionality. In response, Toshiba has developed the U2K series and the 32GB Limited Edition high capacity version, which include Windows ReadyBoost.

Key Features

TransMemory U2K Series (enhanced for Windows ReadyBoost)

- Supports the ReadyBoost function of Windows Vista
- Downloadable password lock system
- Cap cord to prevent loss of cap

TransMemory 32GB Limited Edition (enhanced for Windows ReadyBoost)

- Supports the ReadyBoost function of Windows Vista
- Large storage capacity of 32GB
- Downloadable password lock system

Specifications of New Products

Item Description	TransMemory U2K Series	TransMemory 32GB Limited Edition
Capacity	1GB, 2GB, 4GB, 8GB	32GB
ReadyBoost Function	Supported	
Interface	USB1.1/USB2.0 Hi-Speed Compatible ²	
Power Supply Voltage	Bus powered from USB port.	
External Size	63(L)×18.5(W)×8(H)mm	81(L)×20(W)×8(H)mm
Weight	Approximately 8.5g (main body only)	Approximately 12g (main body only)
Operating Environment	Operating temp.: 0 °C to 50°C Storage temp.: -20 °C to 60 °C Operational and storage humidity: 5 ~ 95%RH (non-condensing)	
Compatible PC Models	USB Interface (Type A) with Windows® 2000, Windows® XP, Windows Vista™ or Mac OS 10.0.2 and beyond	

NAND Flash Background

Toshiba was a principal innovator of NAND- and NOR-type flash memory technology in the 1980's and maintains leadership in flash technology today, with a complete line of removable and embedded NAND solutions to meet various application requirements. NAND flash has become one of the leading technologies for solid-state storage applications because of its high-speed programming capability, high-speed erasing, and low cost. The sequential nature (serial access) of NAND-based flash memory provides notable advantages for these block-oriented data storage applications. Toshiba's NAND flash memory products are optimized for general solid-state storage, image file storage and audio for applications such as solid-state disk drives, digital cameras, audio appliances, set-top boxes and industrial storage.

The expanded new USB flash memory line-up will be featured at the IFA 2007, in Berlin, Germany from August 31 to September 5.

TransMemory™ is a trademark of Toshiba Corporation. Windows, Vista and ReadyBoost are trademarks or registered trademarks of Microsoft Corporation.

All other trademarks and trade names held within are the properties of their respective holders.

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¹ When used herein in relation to memory density, gigabyte and/or GB means $1,024 \times 1,024 \times 1,024 = 1,073,741,824$ bytes. Usable capacity may be less. For details, please refer to specifications.

²USB2.0 Hi-Speed is the name of a compatibility standard and is not intended to indicate a particular operating speed.

About Toshiba

Toshiba Corporation is a leader in information and communications systems, electronic components, consumer products and power systems. The company's integration of these wide-ranging capabilities assures its position as an innovator in advanced components, products and systems. Toshiba has more than 172,000 employees worldwide and annual sales of over US\$54 billion (FY2005).

Toshiba Electronics Europe (TEE) is the European Headquarters for the electronic components business of Toshiba Corporation, which is the world's fourth largest semiconductor vendor according to estimates by Dataquest.

Providing design, manufacturing, marketing and sales, TEE was formed in 1973 in Neuss, Germany. The company now has headquarters in Düsseldorf, Germany and subsidiaries in France, Italy, Spain, Sweden and the United Kingdom. Company president is Mr Shikama and the total number of personnel in Europe is around 400.

Toshiba Electronics Europe offers one of the industry's broadest IC and discrete product lines including high-end memory, microcontrollers, ASICs, ASSPs and display products for automotive, multimedia, consumer, telecoms and networking applications. The company also has a wide range of power semiconductor solutions.

For more company information visit Toshiba's web site at www.toshiba-components.com

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