

# TOSHIBA

Leading Innovation >>>

## > EXCERIA™ – CATCH THE PERFECT SHOT



# THE NEW EXCERIA™ RANGE – LIVE YOUR PASSION WITH OUR FASTEST LINEUP

## ➤ EXPERIENCE · EXCELLENCE · PERFECTION

The EXCERIA™ range of ultra high performance CompactFlash®, SD and microSD Memory Cards offers the best combination of performance and reliability you would expect from Toshiba.

The cards are ideal for hobby photographers, ambitious amateurs and professional photographers who demand the highest possible write speeds for continuous shooting of pictures in RAW and JPEG format. The EXCERIA PRO™ storage devices allow even 4K video capture (e.g., an action cam), delivering the highest performance levels available.

The new CompactFlash® cards are UDMA7 compatible and compliant with the new Video Performance Guarantee Profile 2 (VPG-65) standard. The SD and microSD cards are compliant with the SD Memory Card Standard UHS-II and UHS-I interfaces.

## ➤ QUALITY YOU CAN TRUST

The EXCERIA™ range offers the quality and reliability that only the inventor of flash memory can provide. Toshiba is the inventor of flash memory and has a well-earned worldwide reputation for producing high quality technology.

Featuring solid construction, Toshiba protects your digital treasures against all external challenges that you might face on your mission to get the perfect picture.



# EXCERIA PRO™ COMPACT FLASH AND SD CARDS – MAXIMUM PERFORMANCE FOR PROFESSIONALS

## ➤ CATCH IT WITH SILVER AND GOLD

Toshiba EXCERIA PRO™ CompactFlash® cards are perfect for up to 14 frames/s continuous shooting and full HD video recording at up to 30 frame/s. The range offers today's world's fastest CompactFlash® cards\*<sup>1</sup>, achieving a read speed of up to 160 MB/s\*<sup>2</sup> and a write speed of up to 150 MB/s\*<sup>2</sup> for 4K resolution film shooting. Ideal for use with mid-range to high-end DSLR cameras and HD camcorders, the Toshiba CompactFlash® Memory Card delivers best-in-class performance to catch the perfect shot and enable quick file transfers. Our professional range integrates Toshiba's high-performance NAND Flash Memory and the specially developed dedicated firmware. The EXCERIA PRO™ SD cards have a maximum read speed of 260MB/s\*<sup>2</sup> and write speed of 240MB/s\*<sup>2</sup> – our highest available to date.

In addition, EXCERIA PRO™ SD cards guarantee a minimum write speed of 30 MB/s\*<sup>2</sup>, which is required for 4K video recording. The SD cards are compliant with the SD memory card standard UHS-II and UHS-I Classes.

Ideal for use by professional photographers who demand the highest possible write speeds for continuous shooting of pictures in RAW and JPEG format as well as full HD and 4K video capture.





## > ROBUST SOLUTION FOR 4K VIDEO

### COMPACT FLASH EXCERIA PRO™ - C501



#### Features:

- Read speed of up to 160 MB/s and write speed of 150 MB/s\*2
- Available in 16, 32, 64 and 128 GB capacities\*10
- Enables full HD video capture streams and 4K resolution movie shooting at a minimum write speed of 65 MB/s (VPG 65)\*6
- Compatible with UDMA 7 and CF devices
- Compliant with the new Video Performance Guarantee (VPG 65) Profile Standard\*6
- Includes data recovery software
- X-Ray proof ISO 7816-1 compliant

## > THE BEST PERFORMANCE FOR CONTINUOUS FULL HD SHOOTING

### COMPACT FLASH EXCERIA PRO™ - C401



#### Features:

- Read speed of up to 150 MB/s and write speed of 120 MB/s\*2
- Available in 32, 64 and 128 GB capacities\*10
- Perfect for up to 14 frames/s continuous shooting and full HD video recording at up to 30 frames/s
- Compatible with UDMA 7 and CF devices
- Compliant with the new Video Performance Guarantee (VPG 20) Profile Standard\*5
- Includes data recovery software
- X-Ray proof ISO 7816-1 compliant

## > OUTSTANDING PERFORMANCE FOR ULTIMATE CREATIVITY

### EXCERIA PRO™ - N101



#### Features:

- 240 MB/s write speed\*2 for your action shots – today's world's fastest SD™ cards\*1
- 260MB/s read speed\*2 for file transfer from your card to your computer to speed up your workflow
- Up to 128 GB capacity\*10
- Controller compliant with UHS-II, compatible with SDA Ver.4.20 – UHS-I Interface
- UHS-II Interface for 4K Video & Burst Shooting, UHS Speed Class 3\*9
- Toshiba write-protect feature to prevent accidental overwrites
- X-Ray proof ISO 7816-1 compliant

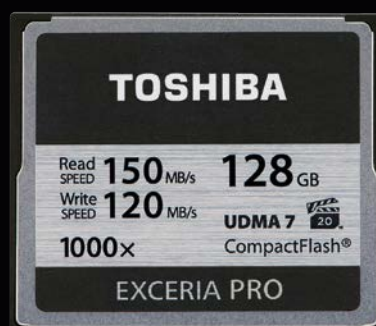
## > HIGH-END PERFORMANCE AT AN AFFORDABLE PRICE

### EXCERIA PRO™ - N401



#### Features:

- Max. 95 MB/s read speed\*2 to optimize photo editing time with high-speed data transfer performance – 1,000 pictures in < 30 sec., 2x faster than with standard UHS-I cards\*4
- 4K video recording (3,840 x 2,160 px) – compliant with UHS Speed Class 3\*9 for 4K video recording
- Wide capacity line up from 16 GB up to 128 GB\*10
- Toshiba write-protect feature to prevent accidental overwrites
- Includes data recovery software
- X-Ray proof ISO 7816-1 compliant



**COMING SOON**



# EXCERIA PRO™ MICROSD – RECORD YOUR SPORTY ADVENTURES

## ➤ THE HIGH-PERFORMANCE SOLUTION FOR 4K VIDEO

Whenever you wish to capture extreme situations in a particularly high quality and resolution, Toshiba's EXCERIA PRO™ microSD cards display the extra reliable, fast and small devices for your needs. EXCERIA PRO™ storage solutions in action-cameras and other wearables are perfect for 4K video recording in the fastest, toughest, most action-packed situations. Take yourself to the extreme – EXCERIA PRO™ microSD cards are made to withstand the hardest conditions, being water-proof, shock-proof and X-Ray proof.



> **CAPTURE 4K ULTRA HD AND  
FULL HD VIDEOS**

**EXCERIA PRO™ - UHS-II MICRO SD CARD**

32GB 64GB

Features:

- Read Speed up to 260 MB/s\*2
- Capacities: 32GB, 64GB\*10
- Interface SD Memory Card standard compatible
- UHS-II for 4K Video & Burst Shooting
- UHS speed class 3\*9
- Includes data recovery software
- X-Ray proof, shock-proof, waterproof and temperature-proof

> **MOBILE SHOOTING UNDER  
TOUGH CONDITIONS**

**EXCERIA PRO™ - M401- UHS-I MICRO SD CARD**

16GB 32GB 64GB

Features:

- Read Speed up to 95 MB/s\*2
- Capacities: 16GB, 32GB, 64GB\*10
- Interface SD Memory Card standard compatible
- UHS-I for 4K Video
- UHS speed class 3 CLASS10\*9\*7
- Includes data recovery software
- X-Ray proof, shock-proof, waterproof and temperature-proof

COMING  
SOON



COMING  
SOON





# EXCERIA™ – CAPTURE YOUR LIFE. YOUR MEMORIES

## > ALWAYS IN YOUR POCKET – ALWAYS GREAT PHOTOS

Toshiba's microSD cards offer high capacity storage of up to 128GB in an incredibly small package. The SD adapter included with the card gives you a wide variety of use options. Put it in your digital camera or your mobile device and you will greatly expand your storage. Now you can take hundreds of pictures with your smartphone or store songs and videos. The series is made for tough conditions: it is waterproof, shock-proof and X-Ray proof.



## > HIGH-SPEED RATINGS FOR RECORDING

EXCERIA™ N301 -  
SDHC AND SDXC UHS-I CARDS



Features:

- Wide range of capacities: 8GB, 16GB, 32GB, 64GB<sup>\*10</sup>
- Interface SD Memory Card standard compatible
- UHS speed class 1 CLASS<sup>U</sup><sup>\*7 \*8</sup>
- Read Speed up to 48 MB/s<sup>\*2</sup>
- X-Ray proof

## > GENEROUS STORAGE CAPACITIES UP TO 128GB

EXCERIA™ M301-EA/ EB/ EC -  
UHS-I MICROSDHC & MICROSDXC CARDS WITH ADAPTOR



Features:

- Wide range of capacities: 8GB, 16GB, 32GB, 64GB, 128GB<sup>\*10</sup>
- Interface SD Memory Card standard compatible
- UHS-I with adaptor
- UHS speed class 1 CLASS<sup>U</sup><sup>\*7 \*8</sup>
- Read Speed up to 48 MB/s<sup>\*2</sup>
- M301-EA highly suitable for use in mobile phones
- M301-EB highly suitable for use in digital cameras
- M301-EC highly suitable for use in tablets and laptops
- X-Ray proof, shock-proof, waterproof and temperature-proof





# THE COMPLETE EXCERIA™ RANGE

Series	Capacity <sup>*10</sup>	Speed Class	Write Speed <sup>2</sup>	Read Speed <sup>2</sup>	Interface	Dimension	Weight	Operating Temperature	Storage Temperature	Special Features	
SD CARDS											
N101		16/32/64/128GB	UHS speed class <b>3</b> <sup>9</sup>	Up to 240 MB/s	Up to 260 MB/s 128GB: Up to 150 MB/s	UHS-II interface HD 312 Mode	32.0 mm (L) x 24.0 mm (W) x 2.1 mm (H)	approx 2g	-25°C to +85°C (Recommended)	-40°C to +85°C (Recommended)	  
N401		16/32/64/128GB	UHS speed class <b>3</b>  <sup>9 7</sup>		Up to 95 MB/s	UHS-I interface SDR 104 Mode					  
N301		8/16/32/64GB	UHS speed class <b>1</b>  <sup>8 7</sup>		Up to 48 MB/s						 
COMPACT FLASH CARDS											
C501		16/32/64/128GB	VPG 65 <sup>6</sup>	Up to 150 MB/s	Up to 160 MB/s	UDMA 7 (Ultra DMA Mode 7 theoretical: 167MB/s)	36.4mm (L) x 42.8mm (W) x 3.3mm (H)	approx 10g	0°C to +80°C (Recommended)	-40°C to +85°C (Recommended)	  
C401		32/64/128GB	VPG 20 <sup>5</sup>	Up to 120 MB/s	Up to 150 MB/s						 
MICRO SD CARDS											
		32/64GB	UHS speed class <b>3</b> <sup>9</sup>		Up to 260 MB/s	UHS-II interface HD 312 Mode	15 mm (L) x 11 mm (W) x 1.0 mm (H)	approx 0.4g	-25°C to +85°C (Recommended)	-40°C to +85°C (Recommended)	    
M401		16/32/64GB	UHS speed class <b>3</b>  <sup>9 7</sup>		Up to 95 MB/s	UHS-I interface SDR 104 Mode					    
M301-EA		8/16/ 32/64/128GB	UHS speed class <b>1</b>  <sup>8 7</sup>		Up to 48 MB/s	SD Memory Card standard compatible					   
M301-EB				   							
M301-EC				   							

All products feature 5 Years Warranty

<sup>\*1</sup> At launch date. <sup>\*2</sup> Read and write speed may vary, depending on user-specific conditions such as devices used and file size read or written. For the purpose of calculating read/write speed in this context 1 MB = 1,000,000 bytes. <sup>\*3</sup> Number of images, minutes of videos and hours of music may vary as the file sizes depend on the type of codec and the chosen compression. <sup>\*4</sup> Measured by our experimental environment data transfer, using SD Card R/W for USB 3.0, to PC (Dynabook R732/F) with 1,000 pictures (5M pixel/picture). <sup>\*5</sup> Compliant with the new Video Performance Guarantee (VPG 20) Profile Standard. <sup>\*6</sup> Compliant with the new Video Performance Guarantee (VPG 65) Profile Standard. <sup>\*7</sup> Class 10 Speed class 10. 10MB/s Min. write performance for video recording on standard interface. <sup>\*8</sup> UHS speed class 1. 10MB/s Min. write performance for video recording on UHS-I & UHS-II interfaces. <sup>\*9</sup> UHS speed class 3. 30MB/s Min. write performance for video recording on UHS-I & UHS-II interfaces. <sup>\*10</sup> Actual capacity depends on the operating environment and formatting

**PREMIUM QUALITY**  
**5 Years Warranty**



waterproof



shock-proof



X-Ray proof



for 4-K Video recording



for Full HD video recording



## HISTORY OF FLASH MEMORY

1984	Developed NOR-type Flash Memory
1987	Developed NAND-type Flash Memory
JUL.2000	Released SD Memory Card
JUN.2003	Released miniSD Memory Card
DEC.2003	Released USB Flash Memory
JUL.2006	Released microSD Memory Card
OCT.2006	Released microSDHC Memory Card
MAY.2010	Released microSDXC Memory Card
SEP.2010	Released microSDHC Memory Card – World's fastest*
SEP.2011	Developed World's first SDHC Memory Card with Embedded Wireless LAN, FlashAir™
MAR.2012	Released the new brand EXCERIA™
JUL.2013	Developed EXCERIA™ UHS II World's fastest* Write Speed
FEB.2015	Developed World's first* SD Card with built-in NFC

\*At launch date



Toshiba Electronics Europe GmbH  
Hansaallee 181  
40549 Düsseldorf  
Germany

Tel: +49 (0) 211 5296-0  
Fax: +49 (0) 211 5296-470

For further information on Toshiba storage products and solutions  
and local sales information, please visit:

[www.toshiba-memory.com](http://www.toshiba-memory.com)

Copyright 2015 TOSHIBA Corporation. All product specifications are subject to change without notice.  
Product design specifications and colours are subject to change without notice and may vary from those shown.  
Errors and omissions excepted.

Issue 2015 | 01



[Youtube.com/ToshibaElectronics1](https://www.youtube.com/ToshibaElectronics1)



[Facebook.com/ToshibaMemory](https://www.facebook.com/ToshibaMemory)