

## EXCERIA G3 microSD Memory Card

*Expect More From Storage*



### Capacity

64GB, 128GB, 256GB, 512GB, 1TB

### Max Read Speed based on specific card reader<sup>\*1</sup>

160 MB/s

### Max Read Speed of the UHS-I SDR104 mode

100 MB/s

### Max Write Speed based on specific card reader<sup>\*1</sup>

50 MB/s

### Max Write Speed of the UHS-I SDR104 mode

50 MB/s

### Speed Class

**V30 U3 10**

### Application Performance Class

**A2**

### Usage

High-Quality Recording and Photography 4K and above

KIOXIA EXCERIA G3 microSD Memory Cards reimagine performance when paired with specific card readers<sup>[1]</sup>. If speed is key, EXCERIA G3 microSD cards with proprietary technology can deliver up to 160MB/s read when used in conjunction with specific card readers exceeding maximum UHS-I speeds<sup>[2]</sup>.

In addition to Video Speed Class 30 (V30) and UHS Speed Class 3 (U3) classifications, the EXCERIA G3 microSD card meets Application Performance Class 2 (A2), enabling you to store and run Android applications on microSD cards at optimized levels.

<sup>[1]</sup> Please check the Lists of Specific Card Readers and Tested Card Readers (<https://personal.kioxia.com/cr4ddr.pdf>).

<sup>[2]</sup> When you connect a device other than the specific card reader, the maximum read/write speeds are the values operating with SDR104 mode. SDR104 mode is one of the bus interface modes defined by the SD standards.



### A Dynamic Duo

If transferring files onto your PC is taking too long, KIOXIA offers a more affordable solution to the speed you need. When using EXCERIA G3 microSD memory cards with specific card readers transfer time can be reduced up to 37% compared to EXCERIA G2 microSD memory cards.

### Make Way for 4K

Sharp and vibrant 4K videos make all the difference. With added support for Application Performance Class 2 (A2) as well as UHS Speed Class 3 (U3) and Video Speed Class 30 (V30), EXCERIA G3 microSD memory cards make shooting video in 4K a reality.



### More Storage for More You

With up to 1TB capacity, the EXCERIA G3 microSD memory card puts less limits on what you can store on your favorite smartphone or device. Record up to 1,258 minutes of 4K (100Mbps) video and shoot up to 154,070 photos (18MPixel), capturing whatever, wherever it might be.

## Specifications

### Capacity / Dimensions

**Capacity**

64GB, 128GB, 256GB, 512GB, 1TB (microSDXC)

**Approximate Usable Capacity\*<sup>2</sup>**

57.6GB, 115.2GB, 230.4GB, 460.8GB, 921.6GB

**Interface**

UHS-I

**Dimension (LxWxH)**

15.0 x 11.0 x 1.0 mm

**Weight**

Approx. 0.3 g

### Performance

**Max Read Speed based on specific card reader\*<sup>1</sup>**

160 MB/s

**Max Read Speed of the UHS-I SDR104 mode\*<sup>1</sup>**

100 MB/s

**Max Write Speed based on specific card reader\*<sup>1</sup>**

50 MB/s

**Max Write Speed of the UHS-I SDR104 mode\*<sup>1</sup>**

50 MB/s

**UHS Speed Class\*<sup>3</sup>**

U3

**Video Speed Class\*<sup>3</sup>**

V30

**SD Speed Class\*<sup>3</sup>**

C10

**Application Performance Class\*<sup>4</sup>**

A2

### Environmental

**Operating Temperature**

-25°C to 85°C (no condensation)

**Certification**

RoHS compliant\*<sup>5</sup>

**Waterproof**

Compatible with IPX7\*<sup>6,11</sup>

**X-ray Proof**

ISO7816-1 compliant\*<sup>7,11</sup>

**Shock Proof**

Passed 5 meter drop test\*<sup>8,11</sup>

**Overheating/Ignition Prevention**

Electrical fuse is mounted\*<sup>9,11</sup>

**ESD Immunity**

Resistant to electrostatic discharge\*<sup>10,11</sup>

## Compatibility

### Target Applications

High-Quality Recording video  
For action cameras, smartphones, and tablets

### 64GB and Over

Compatible with microSDXC supporting host devices corresponding to exFAT file system.

## Others

### Services and Support

5-year limited warranty

### Included

SD Adapter LADP1

### Copyright Protection (CPRM)

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<sup>1</sup> 1 MB/s is calculated as 1,000,000 bytes/s. These values are the best values obtained in a specific test environment at KIOXIA Corporation and KIOXIA Corporation warrant neither read nor write speeds in individual devices. Read and write speed may vary depending on a device used and file size read or written. The write speed is lower than the read speed.

<sup>2</sup> Capacity is based on installed flash memory and not user available memory as part of the memory is used for management functions. Available user area are as listed above (1GB = 1,073,741,824 bytes).

<sup>3</sup> Speed classes indicate the results under the test conditions specified by SD Association.

<sup>4</sup> Application Performance Class is based on the result measured under the conditions specified by SD Association

<sup>5</sup> KIOXIA defines "RoHS Compatible" products as products that either (i) contain no more than a maximum concentration value of 0.1% by weight in Homogeneous Materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), bis(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP) and diisobutyl phthalate (DIBP) and of 0.01% by weight in Homogeneous Materials for cadmium; or (ii) fall within any of the application exemptions set forth in the Annex to the RoHS Directive<sup>6</sup>). This does not mean that KIOXIA products labeled "RoHS COMPATIBLE" are entirely free of substances controlled by the RoHS Directive and does not constitute a warranty or guarantee that such products will comply with the specific laws and/or regulations adopted in any particular jurisdiction.

<sup>6</sup> RoHS Directive: KIOXIA defines "RoHS Directive" as the DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

<sup>7</sup> According to IPX7 standard, the product (only card) can function, after it is submerged quietly and left for 30minutes in static tap water at room temperature(15 °C to 35 °C) and in depth of 1m and then it is taken out of the water.

<sup>8</sup> According to ISO7816-1 standard, the product can function, after contaminating this product on 0.1 Gy of X-ray.

<sup>9</sup> The product (only card) can function, after carrying out the gravity fall of this product (only card) from 5 m in height. (Based on KIOXIA Corporation's test results.)

<sup>10</sup> KIOXIA does not warrant that the function of the fuse in the card will be error free, nor does it warrant that any data stored on the card will remain accessible or uncorrupted. Turn off the device immediately in case the card overheats and/or emits a burning smell.

<sup>11</sup> ESD test environment stipulated by IEC61000-4-2 150-pF energy storage capacitor, 330-Ω discharge resistor, ±15-kV air discharge.

<sup>12</sup> KIOXIA does not warrant any data stored on the product.

Product images may represent design model. Actual product may vary.

Product specifications and design are subject to change without prior notice. Please visit our website for the latest information: [personal.kioxia.com](http://personal.kioxia.com)

Product availability may vary by country. Please contact your local KIOXIA support for further information.

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