

New Embedded & Removable Storage Device Standard

Standardization is on going

► Size

Compact Footprint

- Small embedded & removable NVMe™ storage for ultra-compact host devices
- Smaller and thinner than M.2

► Serviceability

Removable Design

- Easy to remove and address serviceability requirements

► Standard Interface

Eco System

- PCIe®/NVMe™ is standard interface for Storage Devices
- XFMEXPRESS™ has PCIe®/NVMe™ interface

General Information for Prototype (Model : XT1)

Interface	PCI Express® Gen 3x2
Command Protocol	NVMe™ 1.3b
Capacity	Up to 1,024 GB
NAND Technology	BiCS FLASH™
Power Supply (Typ.)	2.5 / 1.8 / 1.2 V _{DC}



Small, Thin, Light & Removable

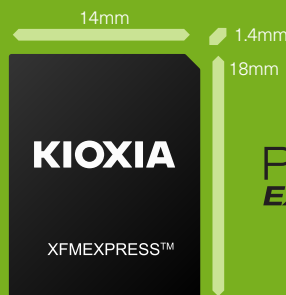
Internet of Things

5G

Industry 4.0



nvm
EXPRESS®



PCI
EXPRESS®

Automotive

Portable Storage

Security Cameras

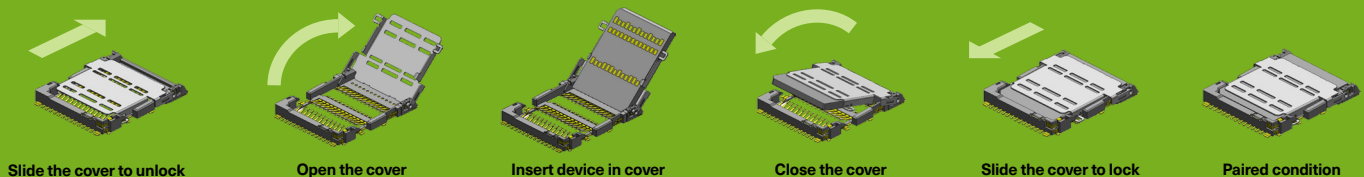
Gaming



A new form factor that delivers an unparalleled combination of features designed to revolutionize ultra-mobile PCs, IoT devices and embedded applications.

Removable Design Concept

Provided by Japan Aviation Electronics Industry, Limited



Definition of capacity: KIOXIA 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 1GB = 2³⁰ = 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.

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