



EXTENDED INDUSTRIAL TEMP (-40°C TO +105°C) | CAPACITIES: 1GB - 2TB

Simplify, Accelerate, and Reduce the Cost of the Embedded Systems Development

FORM FACTORS

eMMC
SD/MicroSD
BGA SSD
eUSB
SATA
NVMe/PCIe

KEY FEATURES

- Low power and high performance
- High Endurance SLC, pSLC and TLC
- Security - AES Encryption, Crypto Erase
- vtGuard™ - power loss protection (PLP)
- 5-10-year product availability

Product Information

	eMMC	SD/MicroSD	eUSB	SATA	NVMe/PCIe
Package Size	11.5x13mm BGA	MicroSD Full size card	10-pin module Key	Slim SATA, mSATA, M.2 2242	M.2 2230, 2242, BGA SSD
Interface	eMMC 5.1	SD 6	USB 3	SATA 6Gbps	PCIe G3/G4 2,4 lanes
TLC Capacities	32GB	Up to 512GB	N/A	Up to 1TB	Up to 2TB
pSLC capacities	16, 32, 64GB	SLC: 2-32GB pSLC: up to 160GB	SLC: 4-64GB pSLC: 8-128GB	Up to 320GB	Up to 640GB
Temperatures	-40°C to +105°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Standards	JEDEC JC-64	SD Association	USB-IF	Serial ATA	PCI-SIG, JEDEC NVMeexpress.org

Virtium extends its Industrial / Edge AI products to include SOMs, AI Accelerators, and Connectivity solutions.



SMALL FORM-FACTOR STORAGE SOLUTIONS

Simplify, Accelerate, and Reduce the Cost of the Embedded Systems Development

SD & MicroSD

NAND: SLC, pSLC, TLC
Capacities: Up to 256GB



eMMC

NAND: pSLC, MLC
Capacities: Up to 64GB



BGA SSD

Interface PCIe Gen4 & Gen3
NAND: TLC
Capacities: 128 - 1024GB



StorFly® Slim SATA/mSATA

Interface: SATA
NAND: pSLC, TLC
Capacities: Up to 960GB



TuffDrive® eUSB

Interface: USB 3.1
NAND: SLC, TLC
Capacities: Up to 128GB



Compact Flash

Interface: PATA/PCMCIA
NAND: SLC
Capacities: Up to 128GB



StorFly® M.2 NVMe

Interface: NVMe / PCIe
NAND: pSLC, TLC
Capacities: Up to 2TB
Form Factors: M.2 2230, 2242



StorFly® M.2 SATA

Interface: SATA
NAND: pSLC, TLC
Capacities: Up to 1TB
Form Factors: M.2 2242



ABOUT US

Virtium has been a trusted supplier of solid-state storage and memory solutions for over two decades. Building on this legacy, we are excited to expand our product portfolio to include SOMs, AI accelerators, and connectivity modules. Designed for industries that demand extreme temperature tolerance, unwavering reliability, exceptional endurance, and long product lifespans, Virtium's solutions deliver seamless, high performance for Edge AI embedded systems and advanced digital infrastructures. Virtium remains committed to providing unparalleled service and support throughout the entire product lifecycle. To learn more, visit our website:

- For storage and memory modules: www.virtium.com
- For SOMs, AI accelerators, and connectivity solutions: www.embeddedartists.com

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