



INDUSTRIAL TEMP (-40°C TO +85°C) | CAPACITIES: 8GB - 32TB

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

FORM FACTORS

- M.2 2230
- M.2 2242
- M.2 2280
- E1.S
- CFexpress
- U.2 NVMe
- BGA SSD

KEY FEATURES

- Interfaces: PCIe/NVMe Gen5, Gen4 and Gen3
- vtGuard power loss protection (PLP) with advanced thermal and power management
- High endurance pSLC and TLC
- Data protection with AES-256 Encryption and TCG Opal
- Extended product life (7+years) beyond fast-moving industry changes
- Multiple architectures for varied performances and workloads, endurance and power
- High Reliability, consistent performance and low power
- SMART Interface for monitoring and control

Virtium Advantages	Details
Technology Stack	<ul style="list-style-type: none"> • Value-added features leveraging mainstream technology • Optimized design and architecture for longevity, cost, and performance
Quality Systems	<ul style="list-style-type: none"> • Highest reliability in design, production, and delivery • Extensive technical support from design to end-of-life
Lifecycle Solutions	<ul style="list-style-type: none"> • Longest product availability • Consistent and sustainable solutions during product lifecycle

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.



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

StorFly® M.2 NVMe

Interface: PCIe/NVMe Gen4 and Gen3
NAND: TLC, pSLC
Capacities: 8GB - 4TB
Form Factors: M.2 2230, 2242, and 2280



E1.S

Interface: PCIe/NVMe Gen5, Gen4 and Gen3
NAND: TLC, pSLC
Capacities: 240GB - 16TB
Temperature: I-temp & C-temp



StorFly® CFexpress

Interface: PCIe/NVMe Gen3
NAND: TLC
Capacities: Up to 960GB



U.2 NVMe

Interface: PCIe/NVMe Gen5, Gen4 and Gen3
NAND: TLC, pSLC
Capacities: 1TB - 32TB
Temperature: I-temp & C-temp



BGA SSD

Interface PCIe Gen4 & Gen3
NAND: TLC, pSLC
Capacities: 128 - 2TB



To learn more, visit our website:

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

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