SanDisk® iNAND® 8521 Embedded Flash Drive

UFS 2.1 I 3D NAND I Performance

UFS 2.1 embedded flash drive built with our 3D NAND technology. Superior performance for today's demanding mobile applications.

Mobile devices are smarter and faster than ever before. They offer consumers and businesses unprecedented communication, productivity and entertainment experiences enabled by the ability to easily capture, access, transform and preserve data.

The iNAND 8521 Embedded Flash Drive (EFD) is our most advanced flash storage solution. Built with 3D NAND technology and the fast UFS2.1 interface, iNAND 8521 EFD offers superior read and write performance, delivering a storage solution for the most data-intensive flagship mobile devices, as well as thin-and-light compute devices[1]. The iNAND 8521 EFD improves the user experience in generating and consuming data-rich content, meeting the fast-growing performance requirement of future AI/AR/VR applications. Its superior write performance exceeds system and network bottlenecks, enabling emerging AI-based applications, leveraging 5G network speed capabilities.

Key Benefits

Performance

- Exceptional Sequential Write performance for fast file transfer and content download.
- Improved Read performance through an optimized controller architecture, resulting in quick system boot-up and app launch.

Design

- Full vertical integration: UFS controller, 3D NAND technology, firmware, assembly and testing designed and developed by Western Digital
- UFS coupled with 3D NAND technology provides the most energy-efficient storage solution for mobile devices, in addition to superior speeds and higher capacities
- Capacities up to 256GB in a small form factor allow scalability and design flexibility

Main Features

- UFS 2.1 Gear3 2-lane
- Plug-and-play integration
- Field Firmware Upgrade (FFU)
- Health and diagnostic report
- 5th Gen SmartSLC technology
- Multiple RPMB regions
- Secure Write Protection
- Production State Awareness

Specifications			
Capacity[2]	**Package Size**	**UFS Version**	**Ordering Information**
32GB	11.5x13x1.0mm	V2.1 HS-G3	SDINDDH4-32G
64GB	11.5x13x1.0mm	V2.1 HS-G3	SDINDDH4-64G
128GB	11.5x13x1.0mm	V2.1 HS-G3	SDINDDH4-128G
256GB	11.5x13x1.0mm	V2.1 HS-G3	SDINDDH4-256G

[1] Compatible with Android™, Chrome, and Windows® mobile operating systems.
[2] 1 GB = 1,000,000,000 bytes. Actual user capacity less.

Contact Information

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