CAPTURE CFexpress Type B Card



Introduction

HIKSEMI CAPTURE CFexpress Type B Card series support dimension of CFexpress Type-B, adopt high-quality storage medium, and have features of high performance and long lifetime. With max. read and write speed of 1800 MB/s and 1600 MB/s respectively, it integrates high-speed PCIe Gen 3 × 2 connector and 3D TLC NAND technology (also supports PCIe Gen 4 × 2), and can provide 2 TB capacity at most.

Features

- **High Performance**

Up to 1800 MB/s sequential read, 1600 MB/s sequential write, 300,000 IOPS random read, and 250,000 IOPS random write, providing higher performance and ultra-high reliability than traditional hard disk drives.

- **Stability and Durability**

Consists of semiconductor components only and does not contain any mechanical parts such as platters (magnetic disks), motors and suspensions. Advanced flash management and global wear leveling algorithm are used to extend drive life.

- **Multiple Capacity Selection**

Provides capacity from 256 GB to 2 TB and suitable for mainstream cameras on the market.

- **Safety and Reliability**

Waterproof, shockproof, X-ray proof, high and low temperature resistant, can be widely adapted to various working environments.

Ordering Information

Capacity	Model
256 GB	HS-CFE-E300 256G
512 GB	HS-CFE-E300 512G
1 TB	HS-CFE-E300 1T
2 TB	HS-CFE-E300 2T

Note

Please contact the local sales for detailed model information.

Specification

Model	HS-CFE-E300			
Capacity	256 GB	512 GB	1 TB	2 TB
Max. Read speed	1800 MB/s	1800 MB/s	1800 MB/s	1800 MB/s
Max. Write speed	1400 MB/s	1700 MB/s	1600 MB/s	1600 MB/s
NAND flash memory	3D TLC			
Specification	CFexpress Type B			
Speed	PCIe Gen 3 × 2 (Supports Gen 4 × 2)			
Dimensions	1.17" × 1.52" × 0.15"			
Working Temperature	-10 °C to 70 °C (14 °F to 158 °F)			
Storage Temperature	-40 °C to 85°C (-40 °F to 185 °F)			
Compatibility	Windows 10/8.1/7 Windows Server 2016/2012 R2/2012 CentOS, Fedora, FreeBSD, openSUSE, Red Hat, Ubuntu VMware ESXi, Citrix, KVM			
Warranty	10 years			

Note

Performance test is performed in specific testing environment. Any change of the computer system, operation system, hardware, software, or functions will influence the test result.

Revision History

Version	Description	Date
V1.0.0	CAPTURE CFexpress Type B Card	20231215

Data subject to change without notice.

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