Samsung USB Flash Drive: Type-C™ Lineup

2024 Data Sheet

Revision 1.0



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1. INTRODUCTION

Samsung's UFD (USB Flash Drive) is a USB 3.1 mass storage media that provides remarkable performance, outstanding reliability and minimalistic design in anticipation of tomorrow's memory needs. Samsung's UFD assorted high capacity and performance can store the data that the user wants to keep safely and quickly. For an easy adoption, Samsung's UFD is operable with modern operation systems such as Windows, Mac OS, Linux and other systems. And it is compatible with any device that uses a USB-C & USB-A Port. It also supports backward compatibility with USB 3.0 and USB 2.0

2. PRODUCT LINEUP

Lineup	Design Option	Density	Model Name
Type-C™	Standard	64GB	MUF-64DA
		128GB	MUF-128DA
		256GB	MUF-256DA
		512GB	MUF-512DA

3. PRODUCT FEATURE

- Compliance with USB 3.2 Gen1 Specification
  - Bus Speed supports Super Speed mode (Up to 5Gbps)
  - Compliant with USB Mass Storage Class Specification
- Backwards Compatibility
  - Compatible with USB 3.0 and USB 2.0 systems
  - Bus Speed supports High Speed and Full Speed mode
- Dimensions
  - 57.9mm X 18.3mm X 7.3mm, Approx. 7.7g
- Performance
  - Read speed up to 300MB/s(64GB) and 400MB/s(128GB~512GB)
- 5-Proof Technology
  - Shock, Temperature, Water, Magnet, X-Ray
- System Requirements
  - Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP, Windows 2000
  - Mac OS ver. 10.4 or later
  - Linux ver. 2.4 or later
  - Android 4.0 or later
- Support Plug and Play function

4. PRODUCT PERFORMANCE

Density	USB Interface	Sequential Read	Sequential Write
64GB	USB 3.2 Gen1	Up to 300 MB/s	Up to 30MB/s
128GB	USB 3.2 Gen1	Up to 400 MB/s	Up to 60MB/s
256GB	USB 3.2 Gen1	Up to 400 MB/s	Up to 110MB/s
512GB	USB 3.2 Gen1	Up to 400 MB/s	Up to 110MB/s

Performance measurement is based on Samsung's internal testing conditions.
The read/write speed may vary among different host devices and testing conditions.

5. USER CAPACITY

Density	User Capacity
64GB	64,157,122,560
128GB	128,315,424,768
256GB	256,632,029,184
512GB	513,266,155,520

Product user capacity is measured on Windows 7 with FAT File system.
User capacity can be different depending on the OS and PC environment.
1GB=1,000,000,000 bytes. The actual usable capacity may be less than the labeled capacity.

6. PHYSICAL SPECIFICATIONS

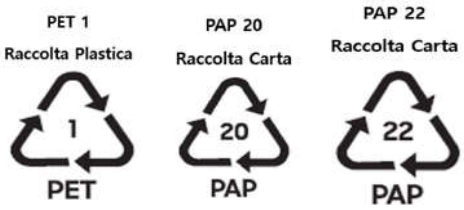
Specifications	
Dimensions	57.9 X 18.3 X 7.3 (mm) / 2.28 x 0.72 x 0.29 (in)
Weights	Approx. 7.7g / 0.27oz
Temperature Proof	Operating: 0°C to 60°C Non-Operating : -10°C to 70°C
Water Proof	1m depth 3% NaCl salt water, 72hrs
Shock Proof	Acceleration :1,500 g (gravity), Shock times : 3 times/x,y,z direction
X-Ray Proof	100mGY (equal to airport X-ray machines)
Magnet Proof	15,000 G (Gauss) [1)]
EMC Certifications	KC, FCC, CE, VCCI, RCM
Warranty	5 years limited [2)]

1) MRI (Magnetic Resonance Imaging): 5,000~15,000 Gauss
2) For more detailed warranty information, please visit www.samsung.com/support.

7. REGULATORY COMPLIANCE







8. REVISION HISTORY

Revision Number	Description	Revision Date
1.0	Initial Release	Mar. 2024