Samsung USB Flash Drive : BAR Plus Lineup

2018 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 3.1 Port. It also supports backward compatibility with USB 3.0 and USB 2.0.

2. PRODUCT LINEUP

Lineup	Color	Density	Model Name
BAR Plus	 Champagne Silver	32GB	MUF-32BE3
		64GB	MUF-64BE3
		128GB	MUF-128BE3
		256GB	MUF-256BE3
	 Titan Gray	32GB	MUF-32BE4
		64GB	MUF-64BE4
		128GB	MUF-128BE4
		256GB	MUF-256BE4

3. PRODUCT FEATURE

- Compliance with USB 3.1 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
  - 40.05mm X 15.46mm X 12.02mm, Approx. 11.5g
- Performance
  - Read speed up to 200MB/s(32GB~64GB) and 300MB/s(128GB~256GB)
- Temperature
  - Operation : 0~60℃
  - Non-operation : -10~70℃
- 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
- Support Plug and Play function

4. PRODUCT PERFORMANCE

Density	USB Interface	Sequential Read	Sequential Write
32GB	3.1	Up to 200 MB/s	Up to 30MB/s
64GB	3.1	Up to 200 MB/s	Up to 30MB/s
128GB	3.1	Up to 300 MB/s	Up to 50MB/s
256GB	3.1	Up to 300 MB/s	Up to 80MB/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
32GB	32,063,307,776
64GB	64,157,122,560
128GB	128,315,424,768
256GB	256,632,029,184

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	40.05 x 15.46 x 12.02 (mm) / 1.57 x 0.60 x 0.47 (in)
Weights	Approx. 11.5g / 0.41oz
Temperature	Operating : 0°C to 60°C Non-Operating : -10°C to 70°C
Water	1m depth 3% NaCl salt water, 72hrs
Shock	Acceleration :1,500 g (gravity), Shock times : 3 times/x,y,z direction
X-Ray	80KV, 50uA, 4W, 500 sec Radiation time.
Magnet	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. REVISION HISTORY

Date	Revision	Description
Mar. 2018	1.0	Initial release