



◆ Specification

■ Compatibility	USB 2.0
■ Declarations	RoHS & REACH compliant
■ Flash technology	SLC-NAND flash technology
■ Form-factor	Pen drive
■ Host interface	4 pins USB Type A connector
■ Performance	
➢ Data transfer rate	Hi-Speed up to 480 Mbps (60MB/s)
➢ Sequential read	31.5 MB/sec (Max.)
➢ Sequential write	24.5 MB/sec (Max.)
■ Environmental	
➢ Operating temp.	STD. 0°C~+70°C/IND. -40°C~+85°C
➢ Non-operating temp.	STD. -20°C~+80°C/IND. -50°C~+95°C
➢ Humidity	10%~95% non-condensing
➢ Vibration	70 Hz to 2K Hz, 15G, 3 axes
➢ Shock	0.5ms, 1500G, 3 axes
➢ Altitude	70,000 feet
■ OS supported	Windows series O.S.Linux, VxWorks and DOS

◆ Part Number List

Capacity	0°C~+70°C	Capacity	-40°C~+85°C
128MB	SRUFD128M-MPDT-4SB	128MB	WRUFD128M-MPDTI-4SB
256MB	SRUFD256M-MPDT-4SB	256MB	WRUFD256M-MPDTI-4SB
512MB	SRUFD512M-MPDT-4SB	512MB	WRUFD512M-MPDTI-4SB
1GB	SRUFD001G-MPDT-4SB	1GB	WRUFD001G-MPDTI-4SB
2GB	SRUFD002G-MPDT-4SB	2GB	WRUFD002G-MPDTI-4SB
4GB	SRUFD004G-MPDT-4SB	4GB	WRUFD004G-MPDTI-4SB
8GB	SRUFD008G-MPDT-4SB	8GB	WRUFD008G-MPDTI-4SB

◆ Part Number Decoder

X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19	X20
W	R	U	F	D	0	0	8	G	—	M	P	D	T	I	—	4	S	B	C

X1 Grade

S : Standard grade operating temp. 0°C~+70°C
W : Industrial grade operating temp. -40°C~+85°C

X2 The material of casing

R : Rugged metal casing

X3 X4 X5 Product category

UFD : USB Flash Disk

X6 X7 X8 X9 Capacity

128M : 128MB 002G : 2GB
256M : 256MB 004G : 4GB
512M : 512MB 008G : 8GB
001G : 1GB

X11 Controller

M : HERCULES Series

◆ Features

- SLC-NAND flash technology
- IP-54 & IP-68 Waterproof metal casing design
- Rugged Metal Casing with screw threads to fix its cap
- Aluminum and electroplated in black
- Capacities from 128MB up to 8GB

■ Power consumption

- **Power requirement** 5V ± 10% via USB port
- **Reading mode** 97.5 mA (Max.)
- **Writing mode** 110 mA (Max.)
- **Idle mode** 66.4 mA (Max.)
- **Reliability**
- **Wear-leveling** Static wear-leveling algorithms
- **TBW** Up to 56.1 TBW at 8GB Capacity (Client workload by JESD-219A)
- **MTBF** > 3,000,000 hours
- **Erase counts** Up to 60,000 times
- **ECC** 72 bits per 1024 bytes block
- **Physical specification**
- **Weight (Max.)** 22g
- **Dimension (WxLxH)** 15.95 x 54.82 x 15.95 (mm)
- **Conformal coating** Optional
- **Warranty**
- **SLC STD. grade** 3 years or within 60,000 erasing counts
- **SLC IND. grade** 5 years or within 60,000 erasing counts

SLC

oSLC

MLC

3D-NAND

DRAM Module

Adapter

Card-drive