Embedded Solutions

USB Flash Drives

JetFlash 280T

Transcend's 3D NAND USB Flash Drives are built utilizing state-of-the-art 3D NAND technology, which allows 96 layers of 3D NAND flash chips to be vertically stacked. Featuring the USB 3.1 Gen 1 interface, large capacities, and a compact form factor for wide application potential, the USB flash drive is ideal for embedded applications in the medical, military, and automation sectors.

Hardware Features

- Endurance: 3K P/E cycles (Program/Erase cycles) guaranteed
- Backwards compatible with USB 2.0
- Hot-swapping for easy plug-and-play
- High-quality 3D NAND flash

Firmware Features

- Wear-Leveling
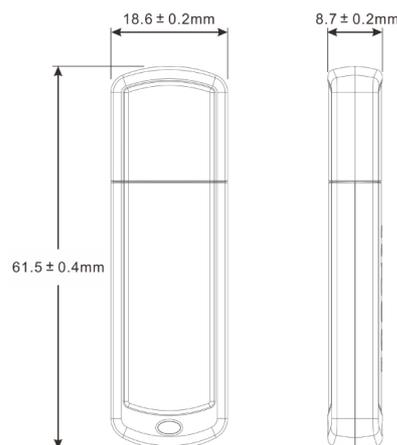- Built-in ECC (Error Correction Code) functionality

*Transcend's JF280T 16GB features 64-layer 3D NAND flash with 1K P/E cycles.

Ordering Information

16GB	TS16GJF280T
32GB	TS32GJF280T
64GB	TS64GJF280T
128GB	TS128GJF280T

Specifications

Appearance	Dimensions	61.5 mm x 18.6 mm x 8.7 mm (2.42" x 0.73" x 0.34")
Interface	Connection Interface	USB 3.1 Gen 1
	USB Type	USB Type-A
Storage	Flash Type	3D NAND flash
	Capacity	16 GB / 32 GB / 64 GB / 128 GB
Operating Environment	Operating Temperature	0°C (32°F) ~ 70°C (158°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Operating Voltage	5V±10%
	Shock	1500 G, 0.5 ms, 3 axis
	Vibration (Operating)	3 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
	Note	-
Power	Power Consumption (Operation)	0.7 watt(s)
Performance	Read Speed (Max.)	up to 140 MB/s
	Write Speed (Max.)	up to 40 MB/s
	Terabytes Written (TBW)	up to 320 TBW
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
	Note	Speed may vary due to host hardware, software, usage, and storage capacity.
Warranty	Certificate	CE / FCC / BSMI / UKCA
	Warranty	Three-year Limited Warranty
	Warranty Policy	Please click here for more information about the Transcend Warranty Policy.
		Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.

Mechanical Dimensions

18.6 ± 0.2mm   8.7 ± 0.2mm   61.5 ± 0.4mm

Product specifications are subject to change without notice. Pictures shown may differ from actual products. Total accessible capacity varies depending on operating environment. Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.