

Embedded Solutions



USB Flash Modules

JetFlash 280T

Transcend's industrial-grade USB flash drive JetFlash 280T is built with 96-layer 3D NAND flash and the USB 3.1 Gen 1 interface. Its compact form factor, high compatibility, and outstanding performance are ideal for embedded applications in the medical, military, and automation sectors. With Transcend's UFD Security Toolbox software, password can be set to secure the drive. Users can even get a One-time Password (OTP) through SMS message on the user's phone to unlock the drive, which ensures higher data security.

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

Ordering Information

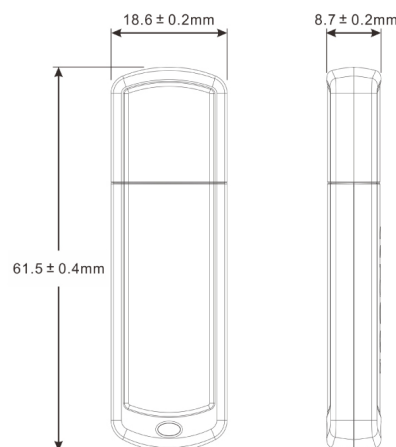
16GB	TS16GJF280T
32GB	TS32GJF280T
64GB	TS64GJF280T
128GB	TS128GJF280T

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

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 Voltage	5V±10%	
	Operating Temperature	0°C (32°F) ~ 70°C (158°F)	
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)	
	Shock	1500 G, 0.5 ms, 3 axis	
	Vibration (Operating)	20 G (peak-to-peak), 20 Hz ~ 2000 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)	3,000,000 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



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.