

## Embedded Solutions



# USB 3D NAND USB Flash Drive

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

### Ordering Information

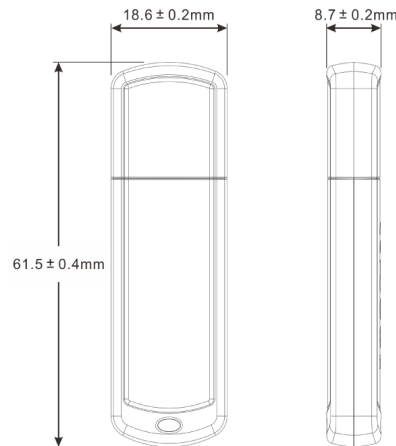
16GB	TS16GJF280T
32GB	TS32GJF280T
64GB	TS64GJF280T
128GB	TS128GJF280T

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

## Specifications

<b>Appearance</b>	Dimensions	61.5 mm x 18.6 mm x 8.7 mm (2.42" x 0.73" x 0.34")
	<b>Interface</b>	Connection Interface
<b>Storage</b>	USB Type	USB Type-A
	Flash Type	3D NAND flash
<b>Operating Environment</b>	Capacity	16 GB / 32 GB / 64 GB / 128 GB
	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
<b>Power</b>	Vibration (Operating)	3 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
	Power Consumption (Operation)	0.7 watt(s)
<b>Performance</b>	Read Speed (Max.)	up to 140 MB/s
	Write Speed (Max.)	up to 40 MB/s
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
<b>Warranty</b>	Certificate	CE / FCC / BSMI
	Warranty	Three-year Limited Warranty

## 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.