

■ Features

- Supports LDPC ECC Algorithm for Robust Data Protection.
- Incorporates Wear-Leveling Technology to Significantly Extend Product Lifespan.
- Ensures High Reliability and Broad Compatibility Through Rigorous Testing.
- Offers Comprehensive Customization (Software/Hardware) and Services (Pre-Sales/After-Sales Support, Custom Validation Testing).
- 1-Year Warranty.



■ Specification

Series	Apex
P/N	T31W10XXXGB
Interface	eMMC 5.1 standard, backward compatible, JEDEC Standards Compliant, Support HS400
Capacity	TLC: 32GB, 64GB, 128GB, QLC: 256GB
Encapsulation	BGA153
Dimension	11.5×13×1.0mm
Working Voltage	VCC=3.3V(2.7V~3.6V), VCCQ=1.8V(1.7V~1.95V)
Seq. Read/Write	Up to 320/200MB/s
4K Random Read/Write	Up to 3.5K/4K IOPS
Operating Temp.	Commercial regulations: -20°C~80°C
Reliability	Data retention period: >10 years, durability: TLC (3K P/E cycles)
Supported Features	Write protection, hardware reset, background operation, secure erase

■ Test Environment



High Shock & Strong Vibration



High/Low Pressure



EMI



Extreme Temperature Cycling



Mechanical Stress Testing



Endurance Test

■ Applications



IoT Devices



Tablets



Smart Home Devices



Industrial Control Modules



Automotive Infotainment Systems



Wearables