

DGT Dynamic

NEO550



PERFORMANCE

The DGT Dynamic NEO550 is a significant advancement in SSD technology, offering outstanding performance for desktops and laptops. Featuring advanced 3D NAND technology and a high-efficiency controller, it ensures consistent speed and stability to meet the demands of modern computing. Whether you're multitasking, booting up your system, or running intensive applications, the NEO550 delivers seamless operation with enhanced durability and responsiveness.

LANDMARK

The NEO550 series is a high-performance 2.5-inch consumer-grade solid-state drive designed to support the needs of today's computing. Compatible with personal desktops, laptops, all-in-one PCs, and other devices, it provides an ideal upgrade for users seeking faster boot times, improved multitasking performance, and reliable data storage.

TECHNICAL SPECIFICATION

Product Model	DGT Dynamic Neo550 128 GB	DGT Dynamic Neo550 256 GB	DGT Dynamic Neo550 512 GB	DGT Dynamic Neo550 1 TB	DGT Dynamic Neo550 2 TB
Capacity	128 GB	256 GB	512 GB	1 TB	2 TB
Internal Cache	1G to 8Gbits				
Form factor	2.5" SATA				
Interface Support	1-port SATA I (1.5Gbps), SATA II (3.0Gbps), SATA III (6.0Gbps)				
Compatibility	Full compatibility with all SATA-based systems Fully compatible with all SATA hard disk drives				
Net Weight	35g				
Product Dimension	100.20 mm × 69.90 mm × 7.00 mm				
Packaging Dimensions	184 mm × 140 mm × 8 mm				
Memory component	3D NANO				
Absolute ratings	Symbol	Rating	Value	Unit	
	Vcc	Power Supply Voltage	-0.3 to +3.6	V	
	Tstg	Storage Temperature	-20 to 110	°C	
	Topp	Commercial grade	0 to 70	°C	

PRODUCT FEATURES

- Capacity: 120GB, 128GB, 240GB, 256GB, 480GB, 512GB 1TB 2TB
- 1G~8Gbits Internal Cache
- Form Factor: 2.5" SATA
- Supports 1-port 1.5/3.0/6.0Gbps SATA I/II/III interface.
- SMART feature set and 48-bit Address feature set
- Compatibility: Full SATA hard disc compatible
- Ultra rugged and reliable
- High-speed performance
- Silent, no moving parts
- Data retention: JESD47 compliant
- Proprietary wear leveling algorithms
- 100% tested hardware and software

Operating Voltage Requirement: Vcc=5.0V+/-10%

Operating System: Supported by all operating systems

Interface: SATA 6.0Gbps (SATA-III) or SATA 3.0Gbps (SATA-II) or SATA 1.5Gbps (SATA-I)

Installation Requirements:

- System Hardware which supports SATA-II/SATA-III standards
- System Hardware includes SATA socket or transfer board

OPERATING CONDITION

Temperature	Humidity	Operating Shock	Operating Vibration	Operating Altitude
0°C to +70°C	5% to ~98% RH	1500G	16G	120,000ft

PERFORMANCE

Test software: CrystalDiskMark 8.0.1 Device:

	Read	Data Transfer Speed(R/W)-MB/s	Write
Capacity	SEQ1M Q8T1		SEQ1M Q8T1
128GB	544.46		468.35
256GB	550.03		498.12
512GB	542.40		481.80
1TB	552.60		494.17
2TB	548.15		503.83

COMPLIANCE SPECIFICATIONS

All M.2 SSD are compliant with the following standards and regulations RoHS

RoHS

FCC

CE

