

# INNOLITE MSATA D150Q



## FEATURES

- Support static wear leveling algorithm
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- Discerning data Retention optimization
- Sage read disturb management
- Dynamic and static wear-leveling
- 100% compliant with JEDEC MO-300 SPEC

R: 127MB  
W: 76MB

S.M.A.R.T

Thermal  
sensor

Low power  
detection

AHCI  
support

Write  
protector

## Specifications

Connector Type	miniPCIe Pin Define for SATA Signal, 23:TX+; 25:TX-; 31:RX-; 33:RX+
Flash Type	MLC (Multi Level Cell)
Density	4GB, 8GB, 16GB, 32GB, 64GB and 128GB
Transfer Mode	SATA II, SATA I, PIO 0~4, MDMA 0~2, UDMA 0~6
Sustained R/W Performance	Read : 127 MB/sec (max.) Write : 76 MB/sec (max.)

## Environmental

DC Input	+3.3V DC $\pm$ 5%
Power consumption (Max.)	Read: 277 mA Write: 353 mA Idle: 168 mA
Operating Temperature	0°C~+70°C (Standard Grade) -20°C~+85°C (Extended Grade)
Storage Temperature	-55°C~+95°C
Humidity	Relative Humidity: 10-95%, non-condensing
Flash Endurance	3,000 program/erase cycles
MTBF	> 4,000,000 hours
Certification	CE, FCC, RoHS
Warranty	2 years

## Mechanicals

Dimension (W x L x H)	29.85mm x 50.8mm x 3.5mm
Weight	7g $\pm$ 1g
Vibration	7 Hz to 2K Hz, 3 axes
Shock	Duration: 0.5ms, 1500G, 3 axes

## Health monitoring Tool

S.M.A.R.T.	Supported
i-S.M.A.R.T.	Supported (Utility for Windows, Linux)

## Ordering Information

Capacity	Standard Grade	Extended Grade
4GB	DRPS-04GJ30A <b>C</b> 2SN	DRPS-04GJ30A <b>E</b> 3SN
8GB	DRPS-08GJ30A <b>C</b> 2DN	DRPS-08GJ30A <b>E</b> 3DN
16GB	DRPS-16GJ30A <b>C</b> 2QN	DRPS-16GJ30A <b>E</b> 3QN
32GB	DRPS-32GJ30A <b>C</b> 2QN	DRPS-32GJ30A <b>E</b> 3QN
64GB	DRPS-64GJ30A <b>C</b> 2QN	DRPS-64GJ30A <b>E</b> 3QN
128GB	DRPS-A28J30A <b>C</b> 2QN	DRPS-A28J30A <b>E</b> 3QN

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