



## General Specifications

<b>Pin Count</b>	7 + 15 pin
<b>Form Factor</b>	SATA (2.5)
<b>Unformatted Capacity</b>	240GB
<b>Cache</b>	256MB

<b>Default Format</b>	Unformatted
<b>Voltage</b>	5.0V
<b>Interface</b>	SATA III
<b>Warranty</b>	1 Year

## Endurance/Power/Performance

<b>Max Read Speed*</b>	540 MB/s
<b>Max Write Speed*</b>	350 MB/s
<b>Seq. Read Speed**</b>	540 MB/s
<b>Seq. Write Speed**</b>	350 MB/s
<b>4k Random Read***</b>	94360 IOPs
<b>4k Random Write***</b>	61160 IOPs

<b>Active Power</b>	5100 mW
<b>Idle Power</b>	620 mW
<b>Sleep Power</b>	0 mW
<b>Shock Tolerance</b>	500G, 2ms
<b>Vibration Tolerance</b>	20G (80-2000Hz)
<b>MTBF</b>	2,000,000 Hrs

\*Maximum speeds are determined using ATTO Disk Benchmark

\*\*Maximum Sequential speeds measured using IOMeter 2010

\*\*\*Maximum I/O performance is measured using IOMeter 2010, 512 bytes Random

## Environment

<b>Operating Temp</b>	Commercial (0 to 70 C)
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<b>Storage Temp</b>	Storage (-40 to +85 C)
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## Controller Specifications

<b>Controller Mfg.</b>	Phison
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<b>Controller PN</b>	PS3110-S10
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<b>Wear Level Static</b>	Enabled
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<b>Wear Level Dynamic</b>	Enabled
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<b>RAID Support</b>	Yes
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<b>SMART Support</b>	Yes
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<b>TRIM Support</b>	Yes
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<b>ECC</b>	NOT CONTROLLED
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<b>Firmware</b>	NOT CONTROLLED
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## Certifications

<b>ROHS</b>	Yes
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<b>FCC</b>	Yes
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<b>CE</b>	Yes
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<b>UL</b>	Yes
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## Pin Out Diagram

Pin Number	Function
S1	GND
S2	A+ (Differential Signal Pair A)
S3	A- (Differential Signal Pair A)
S4	GND
S5	B- (Differential Signal Pair B)
S6	B+ (Differential Signal Pair B)
S7	GND

Pin Number	Function
P1	Not Used (3.3V)
P2	Not Used (3.3V)
P3	DEVSLP
P4	GND
P5	GND
P6	GND
P7	5V pre-charge
P8	5V
P9	5V
P10	GND
P11	Reserved
P12	GND
P13	Not Used (12V pre-charge)
P14	Not Used (12V)
P15	Not Used (12V)

## Physical Dimensions

