

WD10PURX Datasheet

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Overview

WD10PURX, WD Purple™ drives are built for 24/7, always-on, high-definition security systems. With a supported workload rate of up to 180 TB/yr and support for up to 64 cameras, WD Purple™ drives are optimized for surveillance systems.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	WD10PURX
Formatted capacity	1TB
Form factor	3.5-inch
Advanced Format (AF)	Yes
RoHS compliant	Yes
Cache (MB)	64
Performance Class	5400 RPM Class
Load/unload cycles	300,000
Non-recoverable read errors per bits read	14
Limited warranty (years)	3

Product Details

The WD10PURX provides these features:

- * The right drive for the right job.
- * Industry-leading storage. Surveillance you can trust.
- * Wide compatibility. Seamless integration.
- * Expand your view to 64
- * Trust your view with AllFrame 4K™
- * Less power. More efficient.
- * Three year limited-warranty

Compare to Similar Items

Table 2 shows the comparison.

Product Code	WD10PURX	WD20PURX	WD30PURX	WD40PURX	WD60PURX	WD80PURX	WD100PURX
Formatted capacity	1TB	2TB	3TB	4TB	6TB	8TB	10TB
Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	110 MB/s	145 MB/s	145 MB/s	150 MB/s	175 MB/s	178 MB/s	210 MB/s
Cache (MB)	64	64	64	64	64	128	256
Read/Write	3.3	4.4	4.4	5.1	5.3	6.4	6.2

Idle	2.9	4.1	4.1	4.5	4.9	5.7	5.0
Standby and Sleep	0.4	0.4	0.4	0.4	0.4	0.7	0.5
Idle	21	23	23	25	25	20	20
Seek (average)	22	24	24	26	26	29	29

Get More Information

Do you have any question about the WD10PURX?

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Specification

WD10PURX Specification		
Formatted capacity		1TB
Form factor		3.5-inch
Advanced Format (AF)		Yes
RoHS compliant		Yes
Performance		
Interface transfer rate (max)	Buffer to host	6 Gb/s
	Host to/from drive (sustained)	110 MB/s
Cache (MB)		64
Performance Class		5400 RPM Class
Reliability/Data Integrity		
Load/unload cycles		300,000
Non-recoverable read errors per bits read		<1 in 10 ¹⁴
Limited warranty (years)		3
Power Management		
Average power requirements (W)	Read/Write	3.3
	Idle	2.9
	Standby and Sleep	0.4
Environmental Specifications		
Temperature (, on the base casting)	Operating	0 to 65
	Non-operating	-40 to 70
Shock (Gs)	Operating (2 ms, read/write)	30
	Operating (2 ms, read)	65
	Non-operating (2 ms)	350

Acoustics (dBA)	Idle	21
	Seek (average)	22
Physical Dimensions		
Height (in./mm, max)		1.028/26.1
Length (in./mm, max)		5.787/147
Width (in./mm, ±.01 in.)		4/101.6

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