

# ADATA XPG SX300/Premier Pro SP300 Datasheet

## Features

- > Applicable to Intel® Smart Response Technology
- > MTBF: 1,200,000 hours
- > Complies with ATA/ATAP1-7 Standard
- > S.M.A.R.T feature supported
- > NCQ Command set supported
- > TRIM Command supported
- > 3 – Year Warranty
- > OS Compatibility: Windows 7/Windows XP/Windows Vista/  
Mac OS X/Linux

XPG SX300



Premier Pro SP300



## Specifications

Product Model	XPG SX300	Premier Pro SP300
Capacity	64GB/128GB/256GB	24GB/32GB/64GB
Form factor	Full-size mSATA	
NAND Flash	Multi-Level Cell (MLC) NAND Flash Memory	
Controller	LSI SandForce SF-2281	LSI SandForce SF-2141
Dimensions	50.95 x 30 x 4mm(L x W x T)	
Weight	7g	
Interface	SATA 6Gb/sec	SATA 3Gb/sec
Performance(Max)	Read: 550 MB/sec. Write: 505 MB/sec. IOPS: 85,000 (Maximum 4K Random Write)	Read: 280 MB/sec. Write: 260 MB/sec. IOPS: 46,000 (Maximum 4K Random Write)
Operating	0 °C - 70 °C	
Storage temperature	-40 °C - 85 °C	
Shock resistance	1500G/0.5ms	
MTBF	1,200,000 Hours	
ECC Recovery	Up to 55 bits correctable per 512-byte sector (BCH)	
Certification	RoHS, CE, FCC	
Warranty	3 Years	

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## SX300 Performance Details:

Capacity	Read Speed ATTO (MB/sec)	Write Speed ATTO (MB/sec)	Read Speed Crystal Disk Mark (MB/sec)	Write Speed Crystal Disk Mark (MB/sec)	Maximum 4K Random Write IOPS Iometer
64GB	Up to 550	Up to 485	Up to 370	Up to 85	65,000
128GB	Up to 550	Up to 500	Up to 480	Up to 170	80,000
256GB	Up to 550	Up to 505	Up to 500	Up to 180	85,000

## Premier Pro SP300 Performance Details:

Capacity	Read Speed ATTO (MB/sec)	Write Speed ATTO (MB/sec)	Read Speed Crystal Disk Mark (MB/sec)	Write Speed Crystal Disk Mark (MB/sec)	Maximum 4K Random Write IOPS Iometer
24GB	Up to 280	Up to 230	Up to 180	Up to 35	44,500
32GB	Up to 280	Up to 260	Up to 200	Up to 45	46,000
64GB	Up to 280	Up to 260	Up to 250	Up to 95	41,000

Seq. Read & Write speed test by AS SSD Benchmark and ATTO.

Random read & write speed test by Iometer 2010 (Queue depth of 32; write cache enabled)

IOPS Test Utility: Iometer (Queue depth of 32; write cache enabled)

The system conditions and test environment may affect test results

## Packaging Information

Type	Weight	Dimensions	PCs/Carton	CUFT	Carton Gross Weight	Carton Dimensions
SX300	25g	133 x 79 x 14MM	80	0.97	3.03Kg	420 x 330 x 200MM
SP300	25g	133 x 79 x 14MM	80	0.97	3.03Kg	420 x 330 x 200MM

## Ordering Information:

### Product: XPG SX300

Capacity	EAN Code	ADATA Part No.
64 GB	4713435795248	ASX300S3-64GM-C
128 GB	4713435795224	ASX300S3-128GM-C
256 GB	4713435795255	ASX300S3-256GM-C

### Product: Premier Pro SP300

Capacity	EAN Code	ADATA Part No.
24 GB	4713435795262	ASP300S-24GM-C
32 GB	4713435795231	ASP300S-32GM-C
64 GB	4713435795279	ASP300S-64GM-C

