

ADATA Premier Pro SP600 Solid State Drive

Features

- > **MTBF:** 1,000,000 hrs
- > **With DRAM cache buffer**
- > **TRIM Support (requires compatible OS)**
- > **NCQ Support**
- > **Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T.) Support**
- > **Backwards compatible with SATA II**
- > **3.5" desktop conversion bracket**
- > **Acronis True Image HD, Disk Migration Utility**
- > **OS Compatibility:** Windows 8 / 7 / Windows XP / Windows Vista / Mac OS X / Linux



Specifications

| | | |
|-------------------------------|--|--|
| Product Model | SP600 | |
| Capacity | 32GB/64GB/128GB | |
| Form factor | 2.5 inch | |
| NAND Flash | Synchronous multi-Level Cell (MLC) NAND Flash Memory | |
| Controller | JMicron , 66X Series | |
| Dimensions | 100 x 69.85 x 7mm (L x W x H) | |
| Weight | 68g | |
| Interface | SATA 6Gb/s | |
| Performance(Max) | ATTO: Sequential Read: 540 MB/sec Sequential Write: 290 MB/sec | IO Meter: IOPS: 65 K (Maximum 4KB Random Read) IOPS: 68 K (Maximum 4KB Random Write) |
| Power Consumption | 0.7W Idle/1.5W Active | |
| Operating temperature | 0 °C - 70 °C | |
| Storage temperature | -40 °C - 85 °C | |
| Shock resistance | 1500G | |
| MTBF | 1,000,000 Hours | |
| ECC Recovery | Up to 40 bits correctable per 1K-byte sector (BCH) *varies depending on exact configuration | |
| Operating Humidity | 10% to 90% RH (0° to 40°C) | |
| Storing Humidity | 5% to 90% RH (-10° to 40°C) | |
| Max Operating Altitude | 12000m | |
| Certifications | CE / FCC / VCCI / BSMI | |
| Warranty | 3 Years | |



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Performance

| Capacity | Read Sped ATTO (MB/sec) | Write Sped ATTO (MB/sec) | Sequential Read AS SSD (MB/sec) | Sequential Write AS SSD (MB/sec) | 4K Random Read AS SSD (MB/sec) | 4K Random Write AS SSD (MB/sec) |
|----------|-------------------------|--------------------------|---------------------------------|----------------------------------|--------------------------------|---------------------------------|
| 32GB | 220 | 35 | 185 | 35 | 65 | 30 |
| 64GB | 430 | 70 | 340 | 70 | 120 | 60 |
| 128GB | 530 | 150 | 500 | 140 | 220 | 110 |
| 256GB | 540 | 290 | 500 | 270 | 240 | 200 |

*Test System: Gigabyte GA-Z68AP-D3, Intel i3 2100K, 4GB DDR3 RAM, Windows 7 Professional Version

Packaging Information

| Type | Weight | Dimensions | PCs/Carton | CUFT | Carton Gross Weight | Carton Dimensions |
|-------|--------|------------------|------------|------|---------------------|-------------------|
| SP600 | 152g | 130 X 138 X 25mm | 40 | 1.4 | 7.5 | 346 X 355 X 300mm |

Ordering Information

Product: Premier Pro SP600

| Capacity | EAN Code | ADATA Part No. |
|----------|---------------|------------------|
| 32GB | 4713435795880 | ASP600S3-32GM-C |
| 64GB | 4713435795897 | ASP600S3-64GM-C |
| 128GB | 4713435795903 | ASP600S3-128GM-C |

Dimensional Drawings

