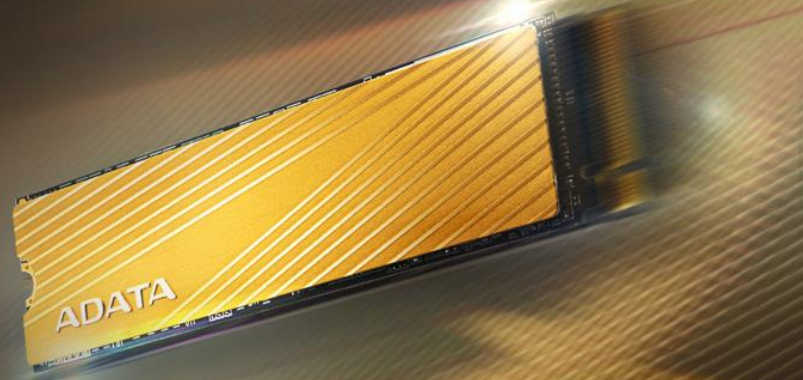


FALCON PCIe Gen3x4 M.2 2280 Solid State Drive

PRO-FORMANCE



FALCON PCIe Gen3 x4 M.2 2280 Solid State Drive

Up your creative power with the ADATA FALCON solid state drive (SSD). Using the PCIe Gen3 x4 interface and equipped with 3D NAND Flash memory, the FALCON delivers read/write speed of up to 31000/1500MB per second for uninterrupted productivity and creativity.

Features

- Ultra-fast PCIe Gen3 x4 interface
- R/W speed up to 3,100/1,500MB/s
- NVMe 1.3 support
- Supports SLC Caching for improved performance
- AES 256-bit encryption support
- Support Host Memory Buffer(HMB)
- 3D NAND Flash for higher capacity and durability
- Compact M.2 2280 form factor – ideal for video editing, industrial drawing, programming
- Advanced hardware LDPC ECC Technology
- Free software: SSD Toolbox and Migration Utility

Ordering Information

Capacity	Model Number	EAN Code
512GB	AFALCON-512G-C	4710273776026
1TB	AFALCON-1T-C	4710273776033



Specifications

- Capacity: 512GB / 1TB
- NAND Flash: 3D NAND
- Interface: PCIe Gen3 x4
- Form Factor: M.2 2280
- Controller: RTS5762DL
- Performance (Max):
Read 3,100MB/s, write 1,500MB/s
- Maximum 4K random read/write IOPS: 180K/180K
- Operating Temperature: 0°C-70°C
- Weight: 9g / 0.31oz
- Dimensions (L x W x H):
80 x 22 x 2.9mm / 3.14 x 0.86 x 0.11inch
- Storage Temperature: -40°C-85°C
- Shock Resistance: 1500G/0.5ms
- MTBF: 1,800,000 hours
- Warranty: 5-year limited warranty
- Certifications: RoHS, CE, FCC, BSMI, KC, Morocco, EAC, UKCA, RCM

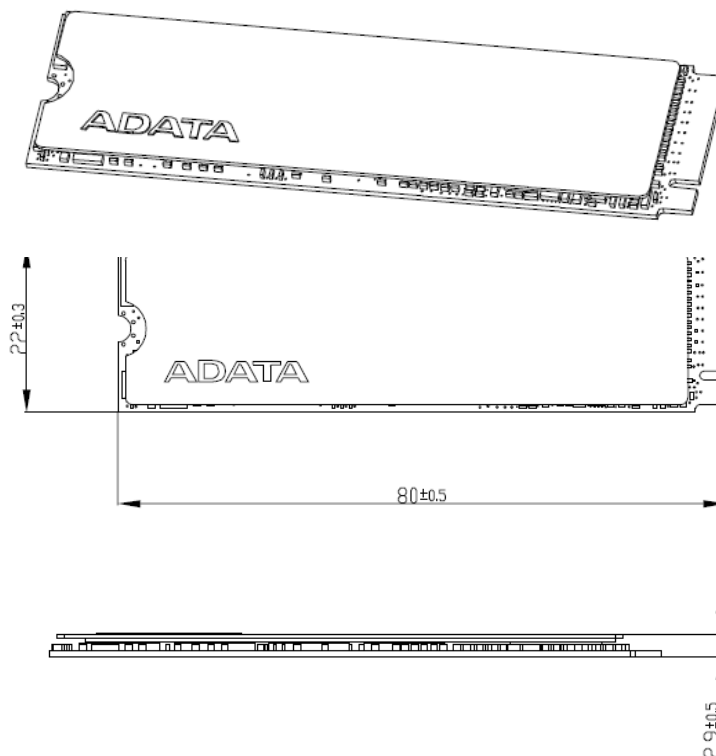
Performance

Capacity	Sequential Performance (Up to) ¹		4K Random (Up to) ¹		TBW ²
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
512GB	3,100	1,500	100K	160K	300TB
1TB	3,100	1,500	180K	180K	600TB

¹Performance may vary based on SSD capacity, hardware test platform, test software, operating system, and other system variables

²The value is the minimum amount of terabyte written that could be reached.

Schematics



ADATA Technology Co., Ltd
 2F, No.258 Liancheng Rd.,
 Zhonghe Dist., New Taipei City 235, Taiwan
 T: +886-2-8228-0886
 F: +886-2-8228-0887
 E: adata@adata.com

CAN ICES-3 (B)/NMB-3(B)

WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

UK	REP	APEX CE SPECIALISTS LIMITED Address: 89 Princess Street, Manchester, M1 4FT, UK E-mail: adata_ukrep@adata.com
EU	REP	ADATA Technology B.V. Address: Transpolderpark, Steenstraat 17-27, 2132 WT, Hoofddorp, The Netherlands E-mail: adata_europe@adata.com

