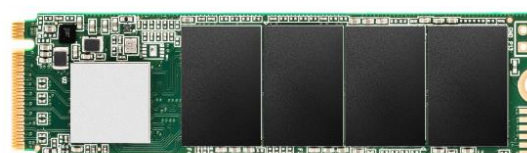


M.2 SSD

ADATA IM2P33F8 NVMe 1.3 PCIe Gen3x4 M.2 2280 solid state drive utilizes 3D NAND flash and provides R/W performance of up to 2050/1600MB per second, as well as amazing reliability, durability, and stability. The comparable cost of the IM2P33F8 with SATA SSDs makes it a viable solution for upgrading a system. It supports Host Memory Buffer (HMB) for improved random R/W speeds, and RAID Engine and End-to-End Data Protection for data integrity and safety. It is available in capacities ranging from 128GB to 512GB, and features a slim single-sided design for high compatibility. Not only is the IM2P33F8 suitable for notebooks, desktops, servers and data centers of all types, it can also serve as a boot drive for surveillance and transportation systems. To safeguard quality, compatibility, and reliability, ADATA uses a rigorous SSD validation process that encompasses performance testing and quality assurance to ensure its SSDs meet the exacting requirements of industrial applications.

Key Features

- Fast PCIe Gen3x4 interface:
R/W speed up to 2050/1600MB/s
- NVMe 1.3 support
- 3D NAND Flash for improved capacity, durability and power efficiency
- Host Memory Buffer (HMB) for enhance random read/write performance
- RAID Engine and End-to-End Data Protection
- Slim single-sided design
- Suitable for all types of PCs



256GB/512GB



128GB



Target Applications

Server, Data Center, Surveillance, Transportation,
Notebooks, Desktops

	ESD & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM
IM2P33F8	●	●	●	●	●	●	●

● Supported



Model	IM2P33F8
Interface	PCIe Gen3x4
Form Factor	M.2 2280
Dimensions (L x W x H)	80 x 22 x 2.25mm
Flash Type	3D TLC
Capacity	128GB / 256GB / 512GB
Sequential Read (Max)	Up to 2050MB/s
Sequential Write (Max)	Up to 1600MB/s
Operating Temperature	Commercial: 0°C to 70°C
Operating Humidity	5%~95% RH, non -condensing
Operating Voltage	3.3V
Power Consumption	3.1W
MTBF (Est)	>2,000,000 hours
Shock Resistance	1500G/0.5ms, Half Sine Wave
Vibration Resistance	20G (10-2000Hz)
Technologies	HMB, RAID Engine, End-to-End Data Protection, S.M.A.R.T.

Capacity	Commercial 0°C to 70°C
128GB	IM2P33F8-128GD
256GB	IM2P33F8-256GD
512GB	IM2P33F8-512GD

[illegible]