

## M.2 2280 SSD

### IM2P33E8 (PLP Edition)



The ADATA IM2P33E8 NVMe 1.3 PCIe Gen3x4 M.2 2280 SSD (Power Loss Protection, PLP Edition) utilizes 96-layer 3D TLC NAND flash and provides superb R/W performance of up to 3400/2800MB per second. Its P/E cycle has been upgraded to 3K for excellent endurance, reliability, and stability. In addition, it supports RAID Engine and End-to-End (E2E) Data Path Protection for great data integrity and safety. To elevate the data security level, the IM2P33E8 PLP edition comes with AES 256-bit encryption. Thanks to these product advantages and technologies, the IM2P33E8 PLP edition is ideal for IoT, 5G networking, AI, automation, IPCs, servers, data centers, as well as surveillance and transportation.

### Features

- Ultra-fast PCIe Gen3x4 interface for superior performance
- 3,000 P/E Cycle ratings for improved endurance and reliability
- 96-layer 3D NAND Flash for higher capacity, durability and power efficiency
- High capacity up to 2TB
- Supports LDPC ECC, RAID Engine, and SLC Cache
- End-to-End Data Path Protection
- Supports AES 256-bit encryption

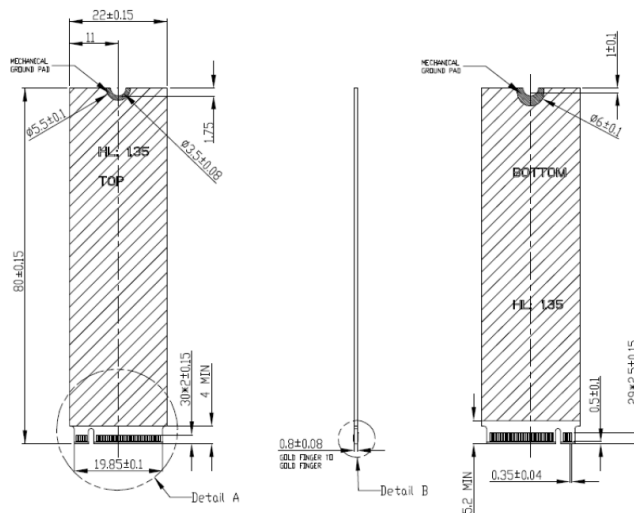
### Ordering Information

Operating Temp.	256GB	512GB	1TB	2TB
0°C to 70°C	IM2P33E8-256GDP	IM2P33E8-512GDP	IM2P33E8-001TDP	IM2P33E8-002TDP

**Specifications**

Model	IM2P33E8 (PLP Edition)
Form Factor	M.2 2280
Capacity	256GB – 2TB
Interface	PCIe Gen3x4
Flash Type	96L 3D TLC
Dimensions (L x W x H)	80 x 22 x 2.25mm
Sequential Read (Max)	3500MB/s
Sequential Write (Max)	2900MB/s
Operating Temperature	0°C to 70°C
Operating Voltage	3.3V
Power Consumption (Max)	5.8W
Shock Resistance	1500G/0.5ms, Half Sine Wave
Operating Humidity	5%-95% RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	PLP, LDPC ECC, RAID Engine, End-to-End Data Path Protection, AES 256-bit encryption, SLC Cache, S.M.A.R.T., Wear Leveling

**Diagram**



Unit: mm

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