

# Apacer Z280

## General Product Specifications

Specifications			
Interface	PCI Express 3.0 x 4		
Capacity <sup>1</sup>	240 GB, 480 GB		
NAND	MLC NAND Flash		
Form Factor	M.2 2280-D5-M		
Performance <sup>2</sup>		240 GB	480 GB
	Sequential Read (MB/s)	2,500	2,500
	Sequential Write (MB/s)	860	1,350
Power Consumption <sup>3</sup> (unit: mA)		240 GB	480 GB
	Active	1,455	2,095
	Idle	120	120
Operating Voltage	3.3V ± 5%		
P/E Cycles	3,000 cycles		
Dimensions	80.00 (L) x 22.00 (W) x 3.80 (H), unit: mm		
ECC	Up to 120 bits per 2K Byte data		
Flash Management	Bad block management, TRIM, wear leveling, S.M.A.R.T., over provision		
Security	Secure erase, write protect		
MTBF	> 2,000,000 hours (approx.)		
Endurance <sup>4</sup>		240 GB	480 GB
	TBW	349	698
Temperature	Operating	0°C to 70°C	
	Storage	-55 to 150°C	
Shock <sup>5</sup>	Sine, 3.13G, 5~800Hz		
Vibration <sup>5</sup>	Half sine, 1500G/1.0msec		
Warranty	3 years		
Package	Retail package		
Certifications	RoHS, CE, FCC, VCCI		

## Global Offices

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<sup>1</sup> Unformatted. Theoretically, 1GB=1,000,000,000 Bytes. Under operating systems, the capacity might appear to be less than the theoretical capacity because the calculation in OS is based on 1 GB = 1024 MB / 1MB =1024KB and a minority of the capacity is reserved for maintenance purposes.

<sup>2</sup> Performance results may vary from flash configurations or host system settings. Test results are based on ATTO platform.

<sup>3</sup> Power consumption were measured at 3.3V and results may vary from flash configurations or host system settings.

<sup>4</sup> Estimated under typical PC user behaviors, NAND endurance cycles, write amplification and wear leveling factors.

<sup>5</sup> Shock and vibrations are subject to change without notice.

# PCIe SSD Z280

## Product Image



## Ordering Information

Capacity	Distributor/Retailer
240 GB	86.F0240.MFN0C / AP240GZ280-1
480 GB	86.F0480.MFN0C / AP480GZ280-1

## Revision History

Version	Description	Date
1.0	Official release	4/14/2016
1.1	Added a product image	6/7/2016