

# Apacer PT920

## General Product Specifications

| Specifications                               |   |              |              |
|--|---|--------------|--------------|
| Interface                                    | PCI Express 3.0 x 4   |              |              |
| Capacity <sup>1</sup>                        | 240 GB, 480 GB  |              |              |
| NAND   | Intel MLC NAND Flash  |              |              |
| 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><br>(unit: mA) |   | 240 GB       | 480 GB       |
|  | Active  | 1,455        | 2,095        |
|  | Idle  | 120          | 120          |
| DRAM   |   | 2Gb (128x16) | 4Gb (256x16) |
| Operating Voltage                            | 3.3V ± 5%   |              |              |
| P/E Cycles                                   | 3,000 cycles  |              |              |
| Dimensions                                   | 160 (L) x 120 (W) x 22 (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 PT920

## Product Image



## Ordering Information

| Capacity | Retailer         |
|----------|------------------|
| 240 GB   | AP240GPT920Z8G-1 |
| 480 GB   | AP480GPT920Z8G-1 |

## Revision History

| Version | Description      | Date     |
|---------|------------------|----------|
| 1.0     | Official release | 6/5/2017 |