

Gen4 NVMe SSD 1TB

Specification	Description															
Features	<ul style="list-style-type: none"> · NAND Flash Memory : 3D TLC NAND Flash · Host Interface : <u>PCIe Gen4 x 4</u> · Controller : IG5236 (NVMe1.4) · Cache Memory : DDR4 · Form Factor : M.2 2280, Double - Side · Capacity : 1TB · ECC Protection for TCM / Cache / SRAM / DDR · Proprietary 4K LDPC ECC · M2/3/4 of SCA, AES, SHA, RSA, ECC, CRC, RAID and end-to-end data protection. · Dimension : 22mm x 80mm x 3.3mm 															
Reliability Parameters	<ul style="list-style-type: none"> · Operating Temperature (Tc) : - Standard Grade : 0°C ~ 70°C · Storage Temperature (Non-Operating) : -40°C~ +85°C · Endurance : 2000 (TBW) 															
System Performance (Up to)	<table border="1"> <thead> <tr> <th>Capacity (TB)</th> <th>Sequential Read (MB/s)</th> <th>Sequential Write (MB/s)</th> <th>Read IOPS (4K)</th> <th>Write IOPS (4K)</th> </tr> </thead> <tbody> <tr> <td>1TB (Max)</td> <td>7000</td> <td>6000</td> <td>1000K</td> <td>650K</td> </tr> <tr> <td>1TB (Speed Range)</td> <td>6600 ~ 7000</td> <td>4000 ~ 6000</td> <td>890K ~ 1000K</td> <td>550K ~ 650K</td> </tr> </tbody> </table> <p>*** Actual performance may vary depending on test system conditions and environment.</p>	Capacity (TB)	Sequential Read (MB/s)	Sequential Write (MB/s)	Read IOPS (4K)	Write IOPS (4K)	1TB (Max)	7000	6000	1000K	650K	1TB (Speed Range)	6600 ~ 7000	4000 ~ 6000	890K ~ 1000K	550K ~ 650K
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