

Data sheet

# HP PCIe NVMe TLC 512GB SSD M.2 Drive



## Set a new performance curve for your HP Business Desktop

Reduce boot up, calculation, and graphics response times and revolutionize how your HP Business Desktop handles large files with the HP PCIe NVMe TLC 512GB SSD M.2 Drive, a remarkably affordable and innovative PCIe-based NVMe memory SSD storage solution.

### **Blazingly fast**

Tackle large files and reduce your work time from hours to minutes with a solid state drive powered by ultra-fast M.2 PCIe NVMe technology.

### **Amazingly affordable**

Access up to 4x the performance at a cost similar to today's standard SSD. The innovative triple layer (TLC) architecture stacks three cell layers on top of one another.

### **Optimized storage**

Integrate your performance by easily combining the HP PCIe NVMe TLC 512GB SSD M.2 Drive with high capacity drives.<sup>1</sup>

1. Each sold separately.

## Specifications

### HP PCIe NVMe TLC 512GB SSD M.2 Drive

<b>Part number</b>	X8U75AA
<b>Unformatted capacity</b>	512 GB
<b>Architecture</b>	Solid State Drive with TLC NAND Flash and PCIe interface Complies with NVMe Standard Power Saving Modes: L1 substates support Multi Queue support
<b>Interface</b>	PCI-E Gen3 x 4
<b>Form factor</b>	M.2 2280
<b>Height</b>	3.73 mm
<b>Width</b>	22.00 ± 0.15 mm
<b>Length</b>	80.00 ± 0.15 mm
<b>Weight</b>	Up to 8 g
<b>Bandwidth performance</b>	Sustained Sequential Read: Up to 2600 MB/s Sustained Sequential Write: Up to 1200 MB/s
<b>Power</b>	Active: Typical 6.1 W Idle: Typical 80 mW L1.2: Typical 5 mW
<b>Mean Time Between Failure (MTBF)</b>	1,500,000 hours
<b>Environmental</b>	Operating Temperature: 32° to 158° F (0° to 70° C) Relative Humidity: 5% to 95% Shock: 1,500 G/0.5 ms

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