

**Core Store MP**  
PCIe Form Factor

**Solid State Drive**



The CoreStore MP is a PCIe backplane SSD which can be added to almost any PC. Featuring the new Marvell controller (88NV9143), latest ONFi 2 flash, the CoreStore MP offers huge performance. By plugging directly into the PCIe bus, the CoreStore MP completely bypasses the SATA bottle neck. The ONFi 2 flash, utilized in this design, is the very latest in technology in NAND flash today. Supporting DDR (double data rate), this ONFi flash enabled us to create a performance architecture using only 4 flash placements. Available in 16GB to 128GB capacities and with MLC and SLC flash.

Note: Gen 2 PCI slot required for top speeds.

**Physical Specifications**

MLC	
Capacity	16GB – 128GB
Dimension	65 mm x 80 mm
Interface	PCIe
NAND Flash	MLC
Power Supply	3.3V ± 10%
Operating Temp.	0°C - 70°C

SLC	
Capacity	16GB – 64GB
Dimension	65 mm x 80 mm
Interface	PCIe
NAND Flash	SLC
Power Supply	3.3V <sub>cc</sub> ± 5%
Operating Temp.	0°C - 70°C

**Performance Specifications**

Flash	Capacity	User Capacity	Sequential Read(MB/Sec)	Sequential Write(MB/Sec)
MLC	16GB	12.5GB	250	40
	32GB	25GB	350	50
	64GB	50GB	350	80
	128GB	100GB	350	80
SLC	16GB	12.5GB	350	220
	32GB	25GB	350	220
	64GB	50GB	350	220

**Ordering Information**

MLC	
16GB	SR16C6MP1
32GB	SR32C7MP1
64GB	SR64C8MP1
128GB	SR28C9MP1

SLC	
16GB	SR16D6MP1
32GB	SR32D7MP1
64GB	SR64D8MP1