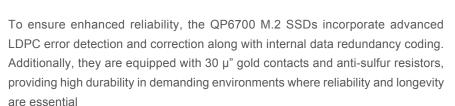


# QP6700 | PCIe NVMe | M.2 2230 SSD

The SMART Modular QP6700 PCIe NVMe M.2 2230 SSDs are ideal for compact platform applications, including industrial PCs, factory automation, commercial printers, networking, and telecommunication. Featuring an industry-standard PCIe Gen4 x4 interface and NVMe 1.4 protocol compliance, they offer a reliable embedded SSD solution for boot, OS, application software, and data storage. The QP6700 M.2 SSD modules integrate seamlessly into host systems without requiring special BIOS modifications or additional device drivers.



## Features & Benefits

- PCle Gen4 x4 NVMe 1.4 Compliant
- Advanced Thermal Throttling Algorithm
- Built-in Internal Thermal Sensor
- Support Static and Dynamic Wear Leveling
- Background Scan and Refresh
- Dataset Management (TRIM Commands)
- Support S.M.A.R.T. Command
- 30 μ" Gold Contacts
- Anti-Sulfur Resistor

## **Product Family Overview**

Form Factor	Capacity	Sequential Performance
M.2 2230 SSD	120GB	Up to 1700MB/s Read;
		Up to 1050MB/s Write





## **Applications**

- Commercial Printers
- Factory Automation
- Industrial PCs
- Networking
- Telecom

# **Specifications**

	QP6700   PCIe NVMe   M.2 2230 SSD	
NAND Type	TLC	
Performance		
Host Interface Rate (maximum)	PCIe Gen4 x4	
Capacities	120GB	
Sequential Read (maximum)	Up to 1700MB/s	
Sequential Write (maximum)	Up to 1050MB/s	
Random Read (maximum)	Up to 26K IOPS	
Random Write (maximum)	Up to 43K IOPS	
Reliability		
MTBF	> 2,000,000 hours	
Endurance (JEDEC Enterprise Workload)	120GB: 50 TBW	
Error Correction	LDPC	
Power		
Input Voltage	VCC: 3.3 V ± 5%	
Environmental		
Shock	1500 g half-sine, 0.5 msec, 1 shock along each axis, X, Y, Z in each direction	
Vibration	20G 80-2000Hz, 1.52mm 20-80Hz, 3 axis	
Operating Temperature	Commercial: 0°C to +70°C	
Storage Temperature	-40°C to +85°C	
Humidity	40°C, Operation: 90% RH, Storage: 93% RH	
Physical		
Length	30.0 mm	
Width	22.0 mm	
Height	2.08 mm	

<sup>&</sup>lt;sup>1</sup>Endurance is directly related to the User Specific Workload.

# **Ordering Information**

Part Number	Density	
QP6700   PCIe NVMe   M.2 2230 SSD Commercial Operating Temperature (0°C to +70°C)		
SRMP3120GTCS4AC1	120GB	



For more information, please visit: www.smartm.com

\*Product images are for promotional purposes only. Labels may not be representative of the actual product.

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