

Multi GIGA

**SSD PCIe M.2
Specification**

HKM256P82C

HKM512P82C

HKM01TP82C

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For more information or technical support please contact Multi GIGA by email: www.multigiga.com.vc

Ordering Information



Model Name	Product Part Number	Capacity
HKM256P82C	HKM256P82AQMDZ	256GB
HKM512P82C	HKM512P82AQMDY	512GB
HKM01TP82C	HKM01TP82AQMDY	1024GB

1. General Description



Relying on the security background of Hikvision, we are committed to developing the four major businesses of solid-state drives, memory cards, private network disks, and mobile storage, with a sound supply chain system and perfect after-sales process. On the technology side, SSDs adopts the advanced SSD controller and 3D NAND Flash, and coordinates with HIKVISION's self-designed NAND Flash management firmware to ensure the read/write speed and data safety. On the production side, adopts the good quality 3D NAND Flash and BGA, and is manufactured by the automatic production line. It has been tested according to the standard of video surveillance server, so that it offers better stability. SSDs are widely used in personal computers, game consoles and other devices to provide stable services for target systems.



2. Feature



- High R/W Speed PCIe Gen 3 x4 interface / Compliant within NVMe 1.4
Max. read speed up to 2465 MB/s
- 3D NAND Technology
3D NAND technology helps to develop higher capacity, performance, and stability
- Anti-shock and anti-fall
No mechanical structure, using electronic chip control, data more secure.
- Smart firmware
Through the SSD management tool, support dynamic SLC opening and closing, support OP adjustable, to meet the needs of multiple scenarios.
- Application Field
Applicable to personal computers, laptops, PS4, etc.

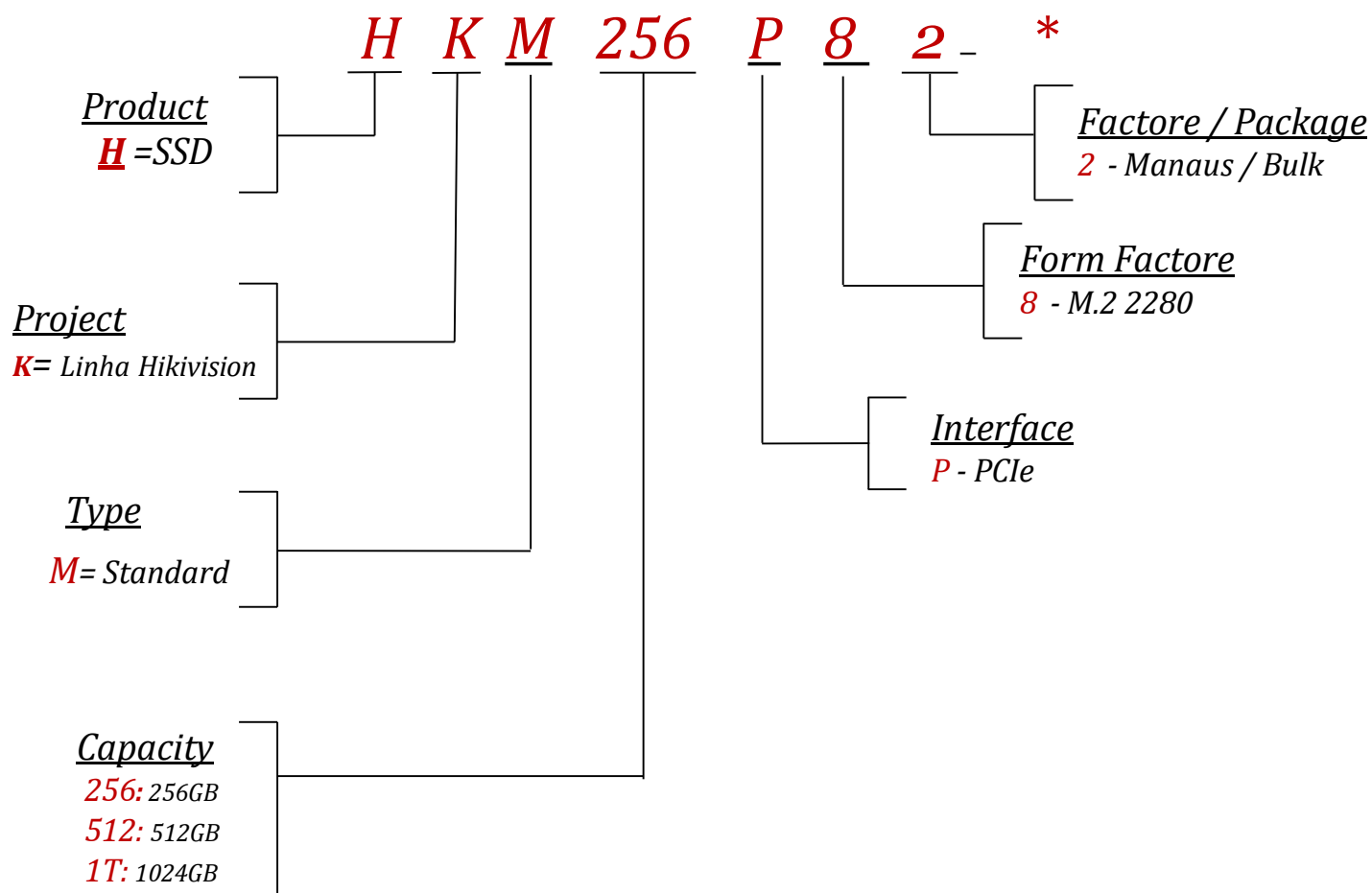
3. SSD Specification



Capacity	256GB	512 GB	1024 GB
Form Factor	M.2 2280		
Max. Seq. Read	2030 MB/s	2465 MB/s	2460 MB/s
Max. Seq. Write	1400 MB/s	2410 MB/s	2475 MB/s
Max. Ran 4 K Read (IOPS)	110 K	220 K	400 K
Max. Ran 4 K Write (IOPS)	275 K	380 K	345 K
Max. Power Consumption	2.4W	2.6W	3.5W
TBW	182TB	365TB	730TB
MTBF	1,500,000 hours		
Storage Medium	3D TLC		
Interface	PCIe		
Working Temperature	0 °C to 70 °C (32 °F to 158 °F)		
Storage Temperature	-40 °C to 85 °C (-40 °F to +185 °F)		
TRIM	Supports		
Warranty	3 years		
Weight	≤ 7 g		

- Note:**
1. Specifications are subject to change without notice.
 2. 1 MB=1,000,000Bytes, 1 GB=1,000,000,000Bytes, Unformatted Capacity. User accessible capacity may vary depending on operating environment and formatting.
 3. Operating Temperature (0 °C~70 °C) is subject to SSD's S.M.A.R.T. display.

4. PART NUMBER DECODER



* Code represented after dash is for internal control only

5. PRODUCT WARRANTY POLICY



Warranty period of the Product is thirty-six (36) months from the date of manufacturing. In the event the Product does not conform to the specification within the aforementioned thirty-six (36) -month period and such nonconformity is solely attributable to Multi's cause, Multi agrees at its discretion replace or repair the nonconforming Product. Notwithstanding the foregoing, the aforementioned warranty shall exclude the nonconformity arising from, in relation to or associated with:

- (1) Alternation, modification or improper use of the Product;
- (2) Failure to comply with Multi's instructions;
- (3) Multi's compliance with downstream customer or user indicated instructions, technologies, designs, specifications, materials, components, parts;
- (4) Combination of the Product with other materials, components, parts, goods, hardware, firmware or software; or
- (5) other error or failure not solely attributable to Multi's cause (including without limitation, normal wear or tear, manufacturing or assembly wastage, improper operation, virus, unauthorized maintenance or repair).

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Revision History

Version	Description	Date
V1.0.0	Preview edition	20210124
V1.0.1	Review passed	20220223

Data subject to change without notice.

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