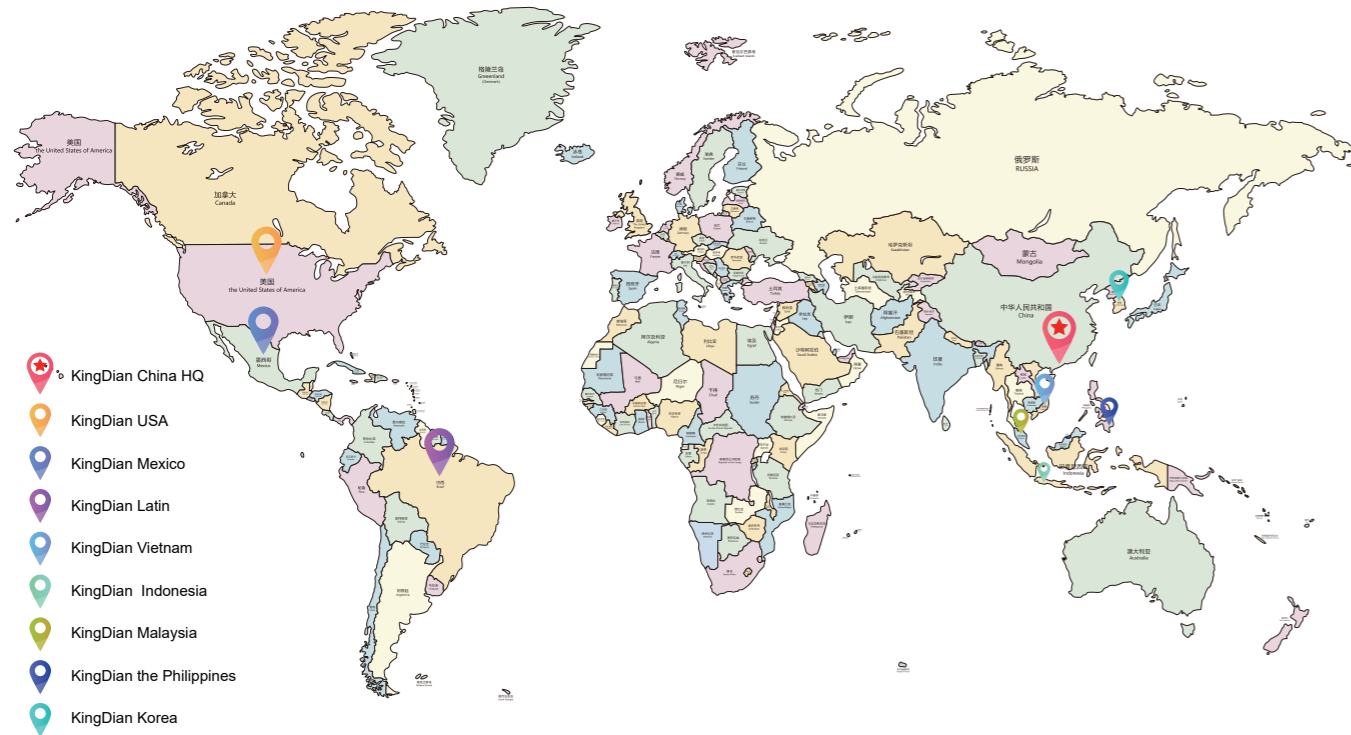


## KingDian International Branches



## International Branches

### HQ: Shenzhen KingDian Technology Co., Ltd.

Address: 6th Floor, Block B2, Fuxinlin Industrial Park, Hangcheng Industrial Zone, Xixiang Street, Baoan District, Shenzhen, Guangdong, China(518102)

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### Vietnam Branch Office

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### Korea Branch Office

Address: 934 Dong, Gwanak-ro Gwanak-gu Seoul, Korea

### Philippine Branch Office

Address: 169 P. Parada St., Brgy. Sta Lucia, San Juan City 1500 Philippines

### North America Branch Office

Address: 2651 S Course Dr #205 Pompano Beach-Miami-FL F33069

### Indonesia/Malaysia Branch Office

Address: Jl.Suryo No.137, Jagalan, Kecamatan Jebres, Kota Surakarta, Jawa Tengah, Indonesia

### Mexico Branch Office

Address: Calle Jacarsndas Mz 156 LT 29 Hacienda Ojo de Agua, Tecamac -Estado de Mexico 55770

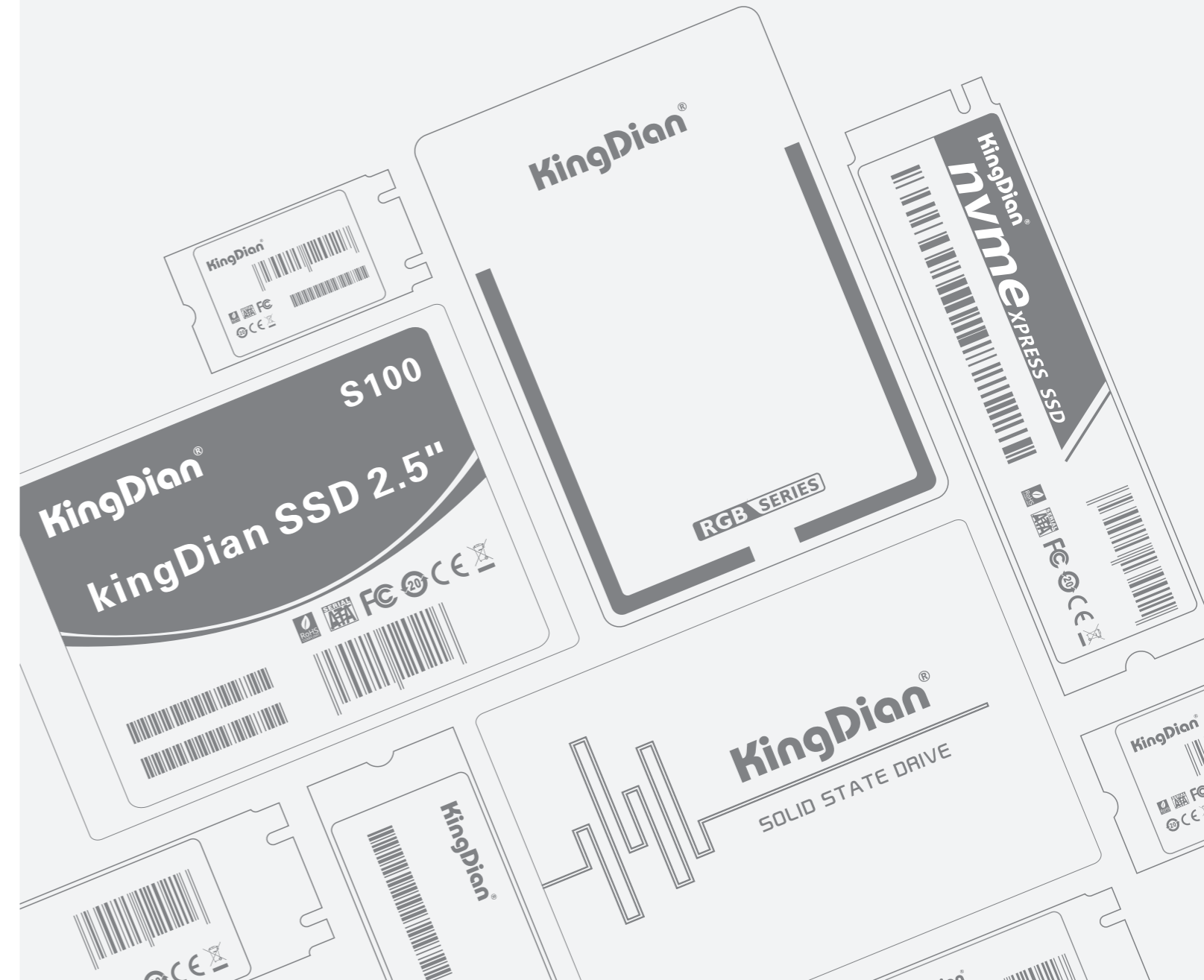


# KingDian®

Focus on SSD and DDR memory  
Since 2010

Version 2024

# SSD PRODUCTS MANUAL





## About Us

ShenZhen KingDian Technology Co, Ltd. was founded in 2010, it is one of the earliest high-tech companies engaged in SSD Solid State Drive, DDR Memories R&D, production and marketing in China.

From the date of its establishment, Our company has been devoted to the intensive cultivation of the SSD Solid State Drive and DDR Memory industry, providing inexpensive and quality storage solutions for all walks of life.

So far, we have set up branch offices in South Korea, Latin America, North America, Mexico, Indonesia, Malaysia, Philippines and Vietnam. Provide customers with more professional, timely and comprehensive localization services!

In China mainland, we have our own distribution channels in 28 provinces! We always put the quality of products in the most important position. we firmly believe that: The quality of the product is the life of a company! Our company have many professional engineers, advanced equipment, so as to ensure that our products can be tested by the strictest and effective industry standards from a series of strict procedures like the material inspection, production process control, product testing, quality risk control, thereby to ensure provided the most satisfaction products to our users!

We are committed to providing customers with high quality, the most cost-effective products. and constantly improve the meticulous pre-sale, sale, after-sales service, we strive to continue to create value for our customers.



## Our vision:

To make "KingDian SSD" become a famous storage brand in the world!

## Our mission:

Provide customers with high quality products and services!

Provide a positive growth platform for employees!

To create a sustained return on investment for the shareholders!

To create the value of justice and honesty for society!

## Our view of quality:

Quality is the life of an enterprise, because remedies need to pay much more.

## Our values:

Pragmatism, innovation, upwards, diligence!



## 2.5Inch SATA3 S280 Series



Model Name	S280-120GB	S280-240GB	S280-480GB
Capacity	120GB	240GB	480GB
EAN	6935515100683	6935515100690	6935515100706
Min Sequential Read/Write(MB/s)	510MB/s / 360MB/s	520MB/s / 380MB/s	520MB/s / 390MB/s
Max Sequential Read/Write(MB/s)	535MB/s / 460MB/s	535MB/s / 500MB/s	535MB/s / 500MB/s
Model Name	S280-1TB	S280-2TB	S280-4TB
Capacity	1TB	2TB	4TB
EAN	6935515100898	6935515134602	6935515136897
Min Sequential Read/Write(MB/s)	530MB/s / 500MB/s	530MB/s / 500MB/s	535MB/s / 506MB/s
Max Sequential Read/Write(MB/s)	540MB/s / 500MB/s	550MB/s / 500MB/s	556MB/s / 508MB/s
Product Series	2.5Inch SATA3 S280 Series SSD		
Interface Type	SATAIII (6.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	40g		
Gross Weight	65g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	69884		
4KB Random Read	61183		
Internal/External	Internal		
Operating Voltage	5V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1000000h		
Item Demension	100*70*7mm		
Box Packing Size	145*88*16.5mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## 2.5Inch SATA3 S370 Series



Model Name	S370-128GB	S370-256GB	S370-512GB
Capacity	128GB	256GB	512GB
EAN	6935515100874	6935515100881	6935515100751
Min Sequential Read/Write(MB/s)	500MB/s / 360MB/s	500MB/s / 400MB/s	540MB/s / 430MB/s
Max Sequential Read/Write(MB/s)	500MB/s / 470MB/s	505MB/s / 500MB/s	550MB/s / 510MB/s
Model Name	S370-1TB	S370-2TB	S370-4TB
Capacity	1TB	2TB	4TB
EAN	6935515139270	6935515139287	6935515139294
Min Sequential Read/Write(MB/s)	530MB/s / 500MB/s	530MB/s / 500MB/s	535MB/s / 506MB/s
Max Sequential Read/Write(MB/s)	540MB/s / 500MB/s	550MB/s / 500MB/s	556MB/s / 508MB/s
Product Series	2.5 Inch SATA3 S370 Series SSD		
Interface Type	SATAIII (6.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	40g		
Gross Weight	65g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	70804		
4KB Random Read	61783		
Internal/External	Internal		
Operating Voltage	5V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1000000h		
Item Demension	100*70*7mm		
Box Packing Size	145*88*16.5mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## 2.5Inch SATA3 RGB Series



Model Name	R2501-128GB	R2501-256GB	R2501-512GB
Capacity	128GB	256GB	512GB
EAN	6935515134626	6935515134633	6935515134640
Min Sequential Read/Write(MB/s)	488MB/s / 450MB/s	490MB/s / 460MB/s	550MB/s / 510MB/s
Max Sequential Read/Write(MB/s)	488MB/s / 450MB/s	490MB/s / 460MB/s	550MB/s / 510MB/s
Model Name	R2501-1TB	R2501-2TB	R2501-4TB
Capacity	1TB	2TB	4TB
EAN	6935515134657	6935515134664	6935515139300
Min Sequential Read/Write(MB/s)	550MB/s / 518MB/s	550MB/s / 540MB/s	535MB/s / 506MB/s
Max Sequential Read/Write(MB/s)	550MB/s / 518MB/s	550MB/s / 540MB/s	556MB/s / 508MB/s
Product Series	2.5 Inch RGB SATA3 SSD		
Interface Type	SATAIII (6.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	60g		
Gross Weight	85g		
RGB	YES		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Wirte	73335		
4KB Random Read	61258		
Internal/External	Internal		
Operating Voltage	5V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1000000h		
Item Demension	100*70*7mm		
Box Packing Size	145*88*16.5mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## HG48 NVME Series



Model Name	HG48 NVME M.2-512GB	HG48 NVME M.2-1TB
Capacity	512GB	1TB
EAN	6935515105169	6935515105176
Min Sequential Read/Write(MB/s)	5000MB/s / 2450MB/s	5000MB/s / 4000MB/s
Max Sequential Read/Write(MB/s)	5000MB/s / 2450MB/s	5050MB/s / 4600MB/s
Model Name	HG48 NVME M.2-2TB	HG48 NVME M.2-4TB
Capacity	2TB	4TB
EAN	6935515105183	6935515105190
Min Sequential Read/Write(MB/s)	5000MB/s / 4000MB/s	5000MB/s / 4100MB/s
Max Sequential Read/Write(MB/s)	5050MB/s / 4600MB/s	5200MB/s / 4600MB/s
Product Series	HG48 NVMe(PCIE) Series SSD	
Interface Type	NVMe (PCIe Gen4)	
Origin	CN(Origin)	
Brand	KingDian	
Transport Protocol	PCIe	
Net Weight	38g	
Gross Weight	59g/53g	
RGB	NO	
Temperature Alert	NO	
OEM/ODM	YES	
Cache	built-in	
4KB Random Write	164128	
4KB Random Read	183522	
Internal/External	Internal	
Operating Voltage	3.3V	
Operating Temperature	0~70°C	
Storage Temperature	-40~85°C	
Warranty	3 Years	
Nand Flash Type	TLC/QLC	
MTBF	1500000h	
Item Demension	23*80*9mm	
Box Packing Size	145*88*16.5mm or 100*60*15mm	
Certificate	CE, FCC, ROHS, KC	
Application	PC/NB/Server/All in one PCetc	
Controller	SMI/Yeestor/Realtek/Maxio etc	
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC	

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## G48 550PRO NVME M.2 Series



Model Name	G48-550PRO NVME M.2-512GB	G48-550PRO NVME M.2-1TB
Capacity	512GB	1TB
EAN	6935515137009	6935515137016
Min Sequential Read/Write(MB/s)	5000MB/s / 2450MB/s	5000MB/s / 4000MB/s
Max Sequential Read/Write(MB/s)	5000MB/s / 2450MB/s	5050MB/s / 4600MB/s
Model Name	G48-550PRO NVME M.2-2TB	G48-550PRO NVME M.2-4TB
Capacity	2TB	4TB
EAN	6935515137023	6935515137030
Min Sequential Read/Write(MB/s)	5000MB/s / 4000MB/s	5000MB/s / 4100MB/s
Max Sequential Read/Write(MB/s)	5050MB/s / 4600MB/s	5200MB/s / 4600MB/s
Product Series	G48-550PRO NVMe(PCIE) Series SSD	
Interface Type	NVMe (PCIe Gen4)	
Origin	CN(Origin)	
Brand	KingDian	
Transport Protocol	PCIe	
Net Weight	7g	
Gross Weight	30g/25g	
RGB	NO	
Temperature Alert	NO	
OEM/ODM	YES	
Cache	built-in	
4KB Random Write	164128	
4KB Random Read	183522	
Internal/External	Internal	
Operating Voltage	3.3V	
Operating Temperature	0~70°C	
Storage Temperature	-40~85°C	
Warranty	3 Years	
Nand Flash Type	TLC/QLC	
MTBF	1500000h	
Item Demension	22*80*3mm	
Box Packing Size	145*88*16.5mm or 100*60*15mm	
Certificate	CE, FCC, ROHS, KC	
Application	PC/NB/Server/All in one PCetc	
Controller	SMI/Yeestor/Realtek/Maxio etc	
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC	

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## G48 760PRO NVME M.2 Series



Model Name	G48-760PRO NVME M.2-512GB	G48-760PRO NVME M.2-1TB
Capacity	512GB	1TB
EAN	6935515136521	6935515136538
Min Sequential Read/Write(MB/s)	7000MB/s / 4450MB/s	7000MB/s / 6000MB/s
Max Sequential Read/Write(MB/s)	7000MB/s / 4450MB/s	7000MB/s / 6000MB/s
Model Name	G48-760PRO NVME M.2-2TB	G48-760PRO NVME M.2-4TB
Capacity	2TB	4TB
EAN	6935515136545	6935515136552
Min Sequential Read/Write(MB/s)	7000MB/s / 6500MB/s	7000MB/s / 6500MB/s
Max Sequential Read/Write(MB/s)	7000MB/s / 6500MB/s	7000MB/s / 6500MB/s
Product Series	760PRO NVMe(PCIE) Series SSD	
Interface Type	NVMe (PCIe Gen4)	
Origin	CN(Origin)	
Brand	KingDian	
Transport Protocol	PCIe	
Net Weight	7g	
Gross Weight	30g/25g	
RGB	NO	
Temperature Alert	NO	
OEM/ODM	YES	
Cache	built-in	
4KB Random Write	190096	
4KB Random Read	205870	
Internal/External	Internal	
Operating Voltage	3.3V	
Operating Temperature	0~70°C	
Storage Temperature	-40~85°C	
Warranty	3 Years	
Nand Flash Type	TLC/QLC	
MTBF	1500000h	
Item Demension	22*80*3mm	
Box Packing Size	145*88*16.5mm or 100*60*15mm	
Certificate	CE, FCC, ROHS, KC	
Application	PC/NB/Server/All in one PCetc	
Controller	SMI/Yeestor/Realtek/Maxio etc	
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC	

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)



## G33 NVME 22X30 Series



Model Name	G33 NVME M.2 128GB	G33 NVME M.2 256GB	G33 NVME M.2 512GB
Capacity	128GB	256GB	512GB
EAN	6935515136477	6935515136484	6935515136491
Min Sequential Read/Write(MB/s)	1450MB/s / 580MB/s	1580MB/s / 1030MB/s	1650MB/s / 1200MB/s
Max Sequential Read/Write(MB/s)	1500MB/s / 630MB/s	1650MB/s / 1100MB/s	1730MB/s / 1300MB/s
Model Name	G33 NVME M.2 1TB	G33 NVME M.2 2TB	
Capacity	1TB	2TB	
EAN	6935515136507	6935515136514	
Min Sequential Read/Write(MB/s)	1850MB/s / 1500MB/s	1900MB/s / 1600MB/s	
Max Sequential Read/Write(MB/s)	1960MB/s / 1650MB/s	2030MB/s / 1680MB/s	
Product Series	G33 NVME M.2(PCIE) Series SSD		
Interface Type	NVMe (PCIe Gen3)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	PCIe		
Net Weight	3g		
Gross Weight	25g/20g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	76113		
4KB Random Read	113343		
Internal/External	Internal		
Operating Voltage	3.3V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1500000h		
Item Demension	22*30*3mm		
Box Packing Size	145*88*16.5mm or 100*60*15mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## G43 NVME 22X30 Series



Model Name	G43 NVME M.2 128GB	G43 NVME M.2 256GB	G43 NVME M.2 512GB
Capacity	128GB	256GB	512GB
EAN	6935515102083	6935515102090	6935515102106
Min Sequential Read/Write(MB/s)	1200MB/s / 780MB/s	2200MB/s / 1230MB/s	4800MB/s / 2430MB/s
Max Sequential Read/Write(MB/s)	1200MB/s / 780MB/s	2200MB/s / 1230MB/s	4800MB/s / 2430MB/s
Model Name	G43 NVME M.2 1TB		G43 NVME M.2 2TB
Capacity	1TB		2TB
EAN	6935515102113		6935515102120
Min Sequential Read/Write(MB/s)	4700MB/s / 4200MB/s		4730MB/s / 4200MB/s
Max Sequential Read/Write(MB/s)	4900MB/s / 4500MB/s		4900MB/s / 4600MB/s
Product Series	G43 NVME M.2(PCIE) Series SSD		
Interface Type	NVMe (PCIE GEN4)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	PCIe		
Net Weight	3g		
Gross Weight	25g/20g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	164128		
4KB Random Read	183522		
Internal/External	Internal		
Operating Voltage	3.3V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1500000h		
Item Demension	22*30*3mm		
Box Packing Size	145*88*16.5mm or 100*60*15mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## G34 NVME M.2 Series



Model Name	G34 NVME M.2-128GB	G34 NVME M.2-256GB	G34 NVME M.2-512GB
Capacity	128GB	256GB	512GB
EAN	6935515136422	6935515136439	6935515136446
Min Sequential Read/Write(MB/s)	910MB/s / 630MB/s	1650MB/s / 1100MB/s	2100MB/s / 1600MB/s
Max Sequential Read/Write(MB/s)	910MB/s / 630MB/s	1800MB/s / 1150MB/s	2450MB/s / 1700MB/s
Model Name	G34 NVME M.2-1TB		G34 NVME M.2-2TB
Capacity	1TB		2TB
EAN	6935515136453		6935515136460
Min Sequential Read/Write(MB/s)	2100MB/s / 1700MB/s		3000MB/s / 2200MB/s
Max Sequential Read/Write(MB/s)	2350MB/s / 2000MB/s		3100MB/s / 3000MB/s
Product Series	G34 NVME M.2 (PCIe) Series SSD		
Interface Type	NVMe (PCIe Gen3)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	PCIe		
Net Weight	4g		
Gross Weight	25g/20g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	76113		
4KB Random Read	113343		
Internal/External	Internal		
Operating Voltage	3.3V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1500000h		
Item Demension	22*42*3mm		
Box Packing Size	145*88*16.5mm or 100*60*15mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## G38 NVME M.2 Series



Model Name	G38 NVME M.2-128GB	G38 NVME M.2-256GB	G38 NVME M.2-512GB
Capacity	128GB	256GB	512GB
EAN	6935515134411	6935515134428	6935515134435
Min Sequential Read/Write(MB/s)	1500MB/s / 600MB/s	1650MB/s / 1100MB/s	2000MB/s / 1300MB/s
Max Sequential Read/Write(MB/s)	2170MB/s / 650MB/s	2400MB/s / 1100MB/s	2450MB/s / 1750MB/s
Model Name	G38 NVME M.2-1TB	G38 NVME M.2-2TB	G38 NVME M.2-4TB
Capacity	1TB	2TB	4TB
EAN	6935515134442	6935515135241	6935515136361
Min Sequential Read/Write(MB/s)	2100MB/s / 1600MB/s	2300MB/s / 1600MB/s	2300MB/s / 1600MB/s
Max Sequential Read/Write(MB/s)	2350MB/s / 1800MB/s	3100MB/s / 3000MB/s	3100MB/s / 3000MB/s
Product Series	G38 NVME M.2(PCIE) Series SSD		
Interface Type	NVMe (PCIe Gen3)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	PCIe		
Net Weight	6g		
Gross Weight	30g/25g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	76113		
4KB Random Read	113343		
Internal/External	Internal		
Operating Voltage	3.3V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1500000h		
Item Demension	22*80*3mm		
Box Packing Size	145*88*16.5mm or 100*60*15mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## For Macbook SSD Series



Model Name	MA1315-128GB	MA1315-256GB	MA1315-512GB
Capacity	128GB	256GB	512GB
EAN	6935515105657	6935515105664	6935515105671
Channels	4CH	4CH	4CH
Max Sequential Read	855MB/s	1975MB/s	2119MB/s
Max Sequential Write	650MB/s	1035MB/s	1560MB/s
Model Name	MA1315-1TB	MA1315-2TB	
Capacity	1TB	2TB	
EAN	6935515105688	6935515105695	
Channels	4CH	4CH	
Max Sequential Read	2150MB/s	2200MB/s	
Max Sequential Write	1620MB/s	1680MB/s	
Product Series	For Macbook SSD Series		
Interface Type	PCIe Gen3 X4		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	PCIe		
Net Weight	7g		
Gross Weight	28g		
Item Demension	89*23*3.5mm		
Box Packing Size	145*88*16.5mm		
4K Random Read IOPS	55712		
4K Random Write IOPS	46718		
Average Access Time	0.15ms		
Nand Flash Type	TLC		
Operating Voltage	3.3V±5%		
Idle Power Consumption	0.5W		
Work Power Consumption	2.6W		
Write to life	Using 8 years if write 100GB every day(32GB)		
Read to life	Endless		
Save Data	Store 10 years below 25 degrees		
MTBF	1000000 hours		
Error Checking & Correction	Every 1024Byte 16/24 error correction code		
FLASH Management	System automatically bad block management		
Internal/External	Internal		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Environmental Humidity	5-95%		
Warranty	3 Years		
OEM/ODM	Yes		
Product Situation	Have a mass production		
Support System	IOS/Windows XP/Windows 7/Windows 2003/Windows 2008/DOS/Linux/Unix		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## For Macbook SSD Series



Model Name	MA1617-128GB	MA1617-256GB	MA1617-512GB
Capacity	128GB	256GB	512GB
EAN	6935515105718	6935515105725	6935515105732
Channels	4CH	4CH	4CH
Max Sequential Read	855MB/s	1975MB/s	2119MB/s
Max Sequential Write	650MB/s	1035MB/s	1560MB/s
Model Name	MA1617-1TB	MA1617-2TB	
Capacity	1TB	2TB	
EAN	6935515105749	6935515105756	
Channels	4CH	4CH	
Max Sequential Read	2150MB/s	2200MB/s	
Max Sequential Write	1620MB/s	1680MB/s	
Product Series	For Macbook SSD Series		
Interface Type	PCIe Gen3 X4		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	PCIe		
Net Weight	12g		
Gross Weight	33g		
Item Demension	63.5*30*52.5*4.5mm		
Box Packing Size	145*88*16.5mm		
4K Random Read IOPS	55712		
4K Random Write IOPS	46718		
Average Access Time	0.15ms		
Nand Flash Type	TLC		
Operating Voltage	3.3V±5%		
Idle Power Consumption	0.5W		
Work Power Consumption	2.6W		
Write to life	Using 8 years if write 100GB every day(32GB)		
Read to life	Endless		
Save Data	Store 10 years below 25 degrees		
MTBF	1000000 hours		
Error Checking & Correction	Every 1024Byte 16/24 error correction code		
FLASH Management	System automatically bad block management		
Internal/External	Internal		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Environmental Humidity	5-95%		
Warranty	3 Years		
OEM/ODM	Yes		
Product Situation	Have a mass production		
Support System	IOS/Windows XP/Windows 7/Windows 2003/Windows 2008/DOS/Linux/Unix		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## NGFF 22X42 Series



Model Name	N400-32GB	N400-64GB	N400-128GB	N400-256GB
Capacity	32GB	64GB	128GB	256GB
EAN	6935515120018	6935515120094	6935515120100	6935515120117
Min Sequential Read/Write(MB/s)	248MB/s / 166MB/s	450MB/s / 290MB/s	500MB/s / 360MB/s	500MB/s / 400MB/s
Max Sequential Read/Write(MB/s)	248MB/s / 166MB/s	450MB/s / 290MB/s	500MB/s / 400MB/s	500MB/s / 450MB/s
Model Name	N400-512GB	N400-1TB	N400-2TB	
Capacity	512TB	1TB	2TB	
EAN	6935515120124	6935515134503	6935515136385	
Min Sequential Read/Write(MB/s)	500MB/s / 400MB/s	500MB/s / 420MB/s	510MB/s / 450MB/s	
Max Sequential Read/Write(MB/s)	520MB/s / 500MB/s	550MB/s / 500MB/s	550MB/s / 500MB/s	
Product Series	NGFF(M.2) 22x42 Series SSD			
Interface Type	M.2 SATA (6.0 Gb/s)			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	AHCI			
Net Weight	4g			
Gross Weight	25g/19g			
RGB	NO			
Temperature Alert	NO			
OEM/ODM	YES			
Cache	None			
4KB Random Wirte	74714			
4KB Random Read	50206			
Internal/External	Internal			
Operating Voltage	3.3V			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
Nand Flash Type	TLC/QLC			
MTBF	1000000h			
Item Demension	22*42*3mm			
Box Packing Size	145*88*16.5mm or 100*60*15mm			
Certificate	CE, FCC, ROHS, KC			
Application	PC/NB/Server/All in one PCetc			
Controller	SMI/Yeestor/Realtek/Maxio etc			
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC			

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## NGFF 22X80 Series



Model Name	N480-64GB	N480-128GB	N480-256GB
Capacity	64GB	128GB	256GB
EAN	6935515120131	6935515134510	6935515134527
Min Sequential Read/Write(MB/s)	475MB/s / 305MB/s	500MB/s / 360MB/s	500MB/s / 390MB/s
Max Sequential Read/Write(MB/s)	475MB/s / 305MB/s	520MB/s / 450MB/s	520MB/s / 460MB/s
Model Name	N480-512GB	N480-1TB	N480-2TB
Capacity	512GB	1TB	2TB
EAN	6935515120216	6935515134459	6935515136354
Min Sequential Read/Write(MB/s)	500MB/s / 390MB/s	510MB/s / 450MB/s	510MB/s / 450MB/s
Max Sequential Read/Write(MB/s)	520MB/s / 460MB/s	520MB/s / 500MB/s	550MB/s / 500MB/s
Product Series	NGFF(M.2) 2280 Series SSD		
Interface Type	M.2 SATA (6.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	5g		
Gross Weight	26g/20g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	72943		
4KB Random Read	55681		
Internal/External	Internal		
Operating Voltage	3.3V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	TLC/QLC		
MTBF	1000000h		
Item Demension	22*80*3mm		
Box Packing Size	145*88*16.5mm or 100*60*15mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)



## M-SATA Series



Model Name	M100-32GB	M280-64GB	M280-128GB	M280-256GB
Capacity	32GB	64GB	128GB	256GB
EAN	6935515110033	6935515110101	6935515110262	6935515135647
Min Sequential Read/Write(MB/s)	282MB/s / 72MB/s	290MB/s / 224MB/s	500MB/s / 360MB/s	500MB/s / 400MB/s
Max Sequential Read/Write(MB/s)	282MB/s / 72MB/s	290MB/s / 224MB/s	510MB/s / 480MB/s	520MB/s / 490MB/s
Model Name	M280-512GB	M280-1TB	M280-2TB	
Capacity	512TB	1TB	2TB	
EAN	6935515135630	6935515134497	6935515110354	
Min Sequential Read/Write(MB/s)	500MB/s / 400MB/s	500MB/s / 420MB/s	510MB/s / 450MB/s	
Max Sequential Read/Write(MB/s)	520MB/s / 500MB/s	550MB/s / 510MB/s	550MB/s / 500MB/s	
Product Series	mSATA Series SSD			
Interface Type	mSATA(6.0 Gb/s)			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	AHCI			
Net Weight	6g			
Gross Weight	30g/21g			
RGB	NO			
Temperature Alert	NO			
OEM/ODM	YES			
Cache	None			
4KB Random Write	68930			
4KB Random Read	40627			
Internal/External	Internal			
Operating Voltage	3.3V			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
Nand Flash Type	TLC/QLC			
MTBF	1000000h			
Item Demension	50*30*3mm			
Box Packing Size	145*88*16.5mm or 100*60*15mm			
Certificate	CE, FCC, ROHS, KC			
Application	PC/NB/Server/All in one PCetc			
Controller	SMI/Yeestor/Realtek/Maxio etc			
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC			

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)



**SATA2 2.5Inch Series**

Model Name	S100-8GB	S100-16GB	S100-32GB
Capacity	8GB	16GB	32GB
EAN	6935515100010	6935515100027	6935515100041
Max Sequential Read/Write(MB/s)	100MB/s / 13MB/s	200MB/s / 26MB/s	250MB/s / 72MB/s
Product Series	2.5 Inch SATA2 Series SSD		
Interface Type	SATAII (3.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	40g		
Gross Weight	65g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Wirte	72912		
4KB Random Read	33658		
Internal/External	Internal		
Operating Voltage	5V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	MLC/TLC		
MTBF	1000000h		
Item Demension	100*70*9mm		
Box Packing Size	145*88*16.5mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## SATA2 1.8Inch Series



Model Name	S100+ 8GB	S100+ 16GB	S100+ 32GB
Capacity	8GB	16GB	32GB
EAN	6935515100065	6935515100072	6935515100096
Max Sequential Read/Write(MB/s)	100MB/s / 13MB/s	200MB/s / 26MB/s	210MB/s / 52MB/s
Product Series	1.8 Inch SATA2 Series SSD		
Interface Type	SATAII (3.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	22g		
Gross Weight	42g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Wirte	72912		
4KB Random Read	33658		
Internal/External	Internal		
Operating Voltage	5V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	MLC/TLC		
MTBF	1000000h		
Item Demension	54.1*39*5mm		
Box Packing Size	145*88*16.5mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## SATA2 Half Slim Series



Model Name	H100-8GB	H100-16GB	H100-32GB
Capacity	8GB	16GB	32GB
EAN	6935515100317	6935515100324	6935515100348
Max Sequential Read/Write(MB/s)	100MB/s / 13MB/s	200MB/s / 26MB/s	210MB/s / 52MB/s
Product Series	Halfslim SATA2 Series SSD		
Interface Type	SATAII (3.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	8g		
Gross Weight	28g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Wirte	72912		
4KB Random Read	33658		
Internal/External	Internal		
Operating Voltage	5V		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	MLC/TLC		
MTBF	1000000h		
Item Demension	54*38*3mm		
Box Packing Size	145*88*16.5mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## M-SATA Industrial SSD



Model Name	KDM900-32GB	KDM900-64GB	KDM900-128GB
Capacity	32GB	64GB	128GB
EAN	6935515135081	6935515135098	6935515135104
Max Sequential Read/Write(MB/s)	210MB/s / 190MB/s	475MB/s / 300MB/s	550MB/s / 460MB/s
Model Name	KDM900-256GB	KDM900-512GB	KDM900-1TB
Capacity	256GB	512TB	1TB
EAN	6935515135111	6935515135128	6935515135135
Max Sequential Read/Write(MB/s)	550MB/s / 500MB/s	550MB/s / 530MB/s	550MB/s / 540MB/s
Product Series	mSATA Industrial Series SSD		
Interface Type	mSATA(6.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	7g		
Gross Weight	28g/22g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Wirte	70000		
4KB Random Read	61000		
Internal/External	Internal		
Operating Voltage	3.3V		
Operating Temperature	-20~75°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	MLC/TLC		
MTBF	2000000h		
Item Demension	50*30*3mm		
Box Packing Size	145*88*16.5mm or 100*60*15mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## 2.5Inch SATA3 Industrial SSD



Model Name	KDS900-32GB	KDS900-64GB	KDS900-128GB	KDS900-256GB
Capacity	32GB	64GB	128GB	256GB
EAN	6935515134824	6935515134831	6935515134848	6935515134855
Max Sequential Read/Write(MB/s)	210MB/s / 190MB/s	475MB/s / 300MB/s	550MB/s / 460MB/s	550MB/s / 500MB/s
Model Name	KDS900-512GB	KDS900-1TB	KDS900-2TB	
Capacity	512TB	1TB	2TB	
EAN	6935515134862	6935515134879	6935515134886	
Max Sequential Read/Write(MB/s)	550MB/s / 520MB/s	550MB/s / 530MB/s	550MB/s / 540MB/s	
Product Series	2.5 Inch Industrial KDS900 Series SSD			
Interface Type	SATAIII (6.0 Gb/s)			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	AHCI			
Net Weight	45g			
Gross Weight	66g			
RGB	NO			
Temperature Alert	NO			
OEM/ODM	YES			
Cache	None			
4KB Random Wirte	70000			
4KB Random Read	61000			
Internal/External	Internal			
Operating Voltage	5V			
Operating Temperature	-20-75°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
Nand Flash Type	MLC/TLC			
MTBF	2000000h			
Item Demension	100*70*7mm			
Box Packing Size	145*88*16.5mm or 100*60*15mm			
Certificate	CE, FCC, ROHS, KC			
Application	PC/NB/Server/All in one PCetc			
Controller	SMI/Yeestor/Realtek/Maxio etc			
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC			

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)

## NGFF 22x42 Industrial SSD



Model Name	KIN400-32GB	KIN400-64GB	KIN400-128GB
Capacity	32GB	64GB	128GB
EAN	6935515135142	6935515135159	6935515135166
Max Sequential Read/Write(MB/s)	210MB/s / 190MB/s	475MB/s / 300MB/s	550MB/s / 460MB/s
Model Name	KIN400-256GB	KIN400-512GB	KIN400-1TB
Capacity	256GB	512TB	1TB
EAN	6935515135173	6935515135180	6935515135197
Max Sequential Read/Write(MB/s)	550MB/s / 500MB/s	550MB/s / 520MB/s	550MB/s / 540MB/s
Product Series	Industrial NGFF(M.2) 22x42 Series SSD		
Interface Type	M.2 SATA (6.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	10g		
Gross Weight	31g/25g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Wirte	70000		
4KB Random Read	61000		
Internal/External	Internal		
Operating Voltage	3.3V		
Operating Temperature	-20~75°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
Nand Flash Type	MLC/TLC		
MTBF	2000000h		
Item Demension	22*42*3mm		
Box Packing Size	145*88*16.5mm or 100*60*15mm		
Certificate	CE, FCC, ROHS, KC		
Application	PC/NB/Server/All in one PCetc		
Controller	SMI/Yeestor/Realtek/Maxio etc		
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC		

**Note:**

Speed measurement is for reference only (Speed measurement is slightly different for different computer configurations)