

KingDian[®]

Focus on SSD and DDR Memory Since 2010


PRODUCTS CATALOG



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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 has 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!

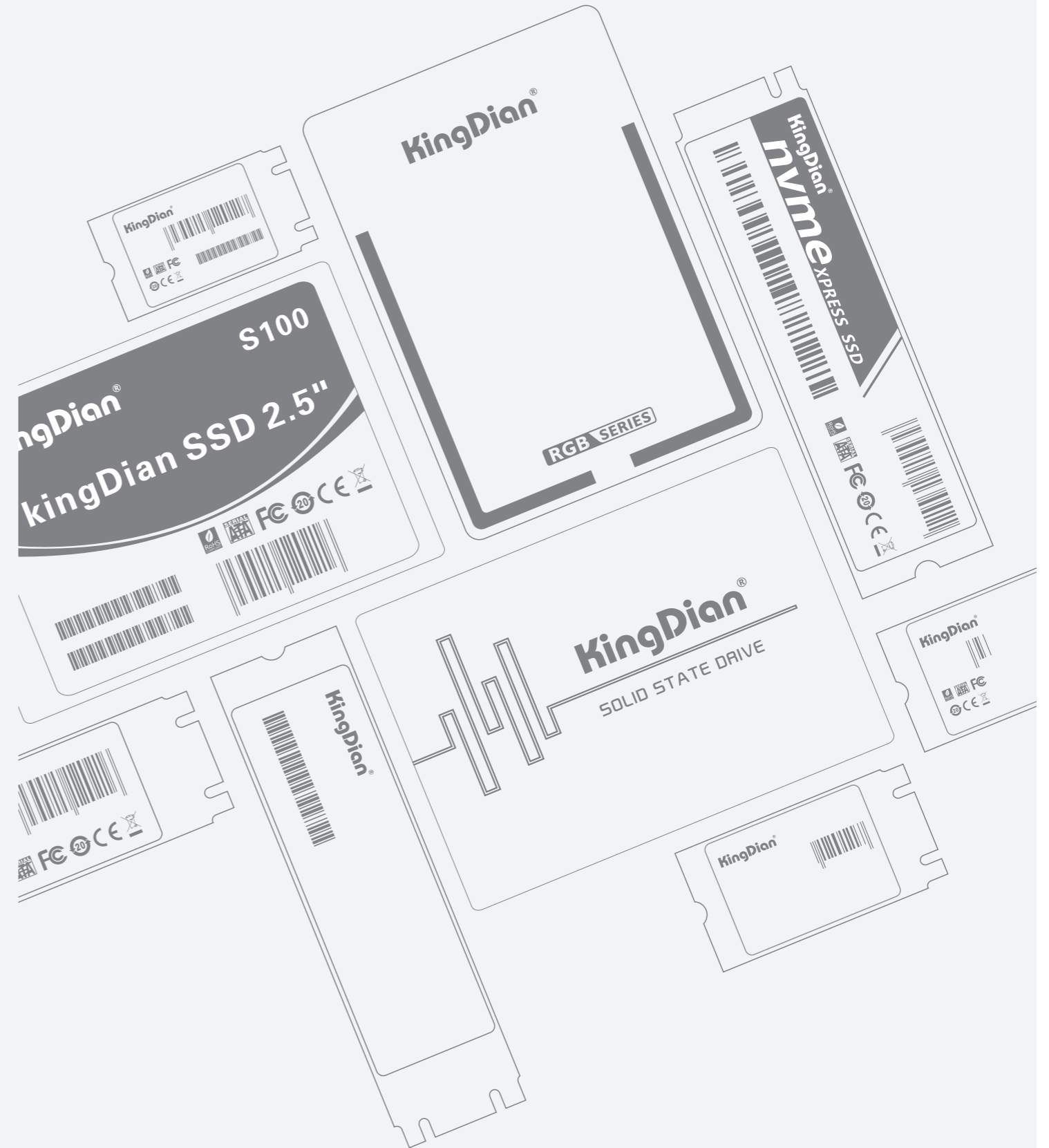
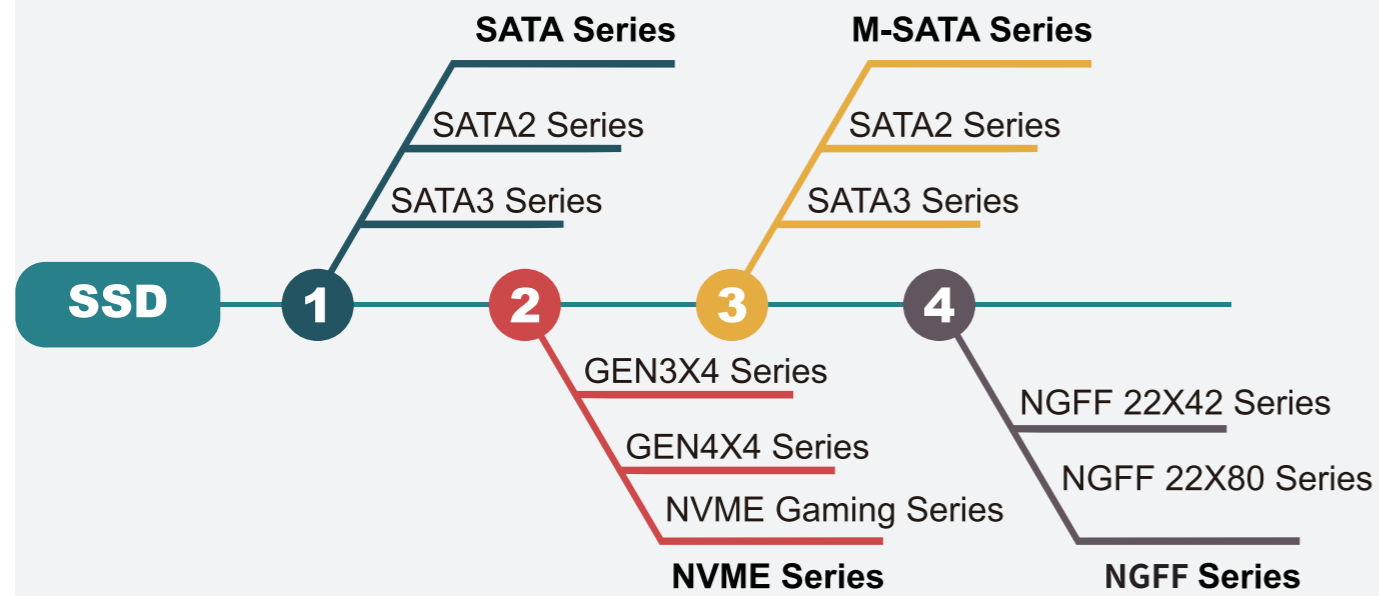


OUR GROWTH PATH



Version 2023

SSD PRODUCTS MANUAL



2.5 Inch SATA3 S280 Series



Model Name	S280-120GB	S280-240GB	S280-480GB	S280-1TB	S280-2TB
Capacity	120GB	240GB	480GB	1TB	2TB
Max Sequential Read	514MB/s	535MB/s	543MB/s	538MB/s	519MB/s
Max Sequential Write	460MB/s	502MB/s	509MB/s	500MB/s	498MB/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	70g				
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	168x90x17mm				
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	RGB-128GB	RGB-256GB	RGB-512GB	RGB-1TB	RGB-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	488MB/s	497MB/s	555MB/s	555MB/s	580MB/s
Max Sequential Write	450MB/s	460MB/s	510MB/s	518MB/s	560MB/s
Product Series	2.5Inch RGB SATA3 SSD				
Interface Type	SATAIII (6.0 Gb/s)				
Origin	CN(Origin)				
Brand	KingDian				
Transport Protocol	AHCI				
Net Weight	55g				
Gross Weight	85g				
Temperature Alert	NO				
RGB	YES				
OEM/ODM	YES				
Cache	None				
Nand Flash Type	TLC/QLC				
4KB Random Write	73335				
4KB Random Read	61258				
Internal/External	Internal				
Operating Voltage	5V				
Operating Temperature	0-70°C				
Storage Temperature	-40-85°C				
Warranty	3 Years				
MTBF	1500000h				
Item Demension	100*70*7MM				
Box Packing Size	168x90x17mm				
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:

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2.5Inch SATA3 S370 Series

Model Name	S370-128GB	S370-256GB	S370-512GB
Capacity	128GB	256GB	512GB
Max Sequential Read	544MB/s	502MB/s	556MB/s
Max Sequential Write	476MB/s	501MB/s	482MB/s
Product Series	2.5Inch SATA3 S370 Series SSD		
Interface Type	SATAIII (6.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	40g		
Gross Weight	70g		
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	168x90x17mm		
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)

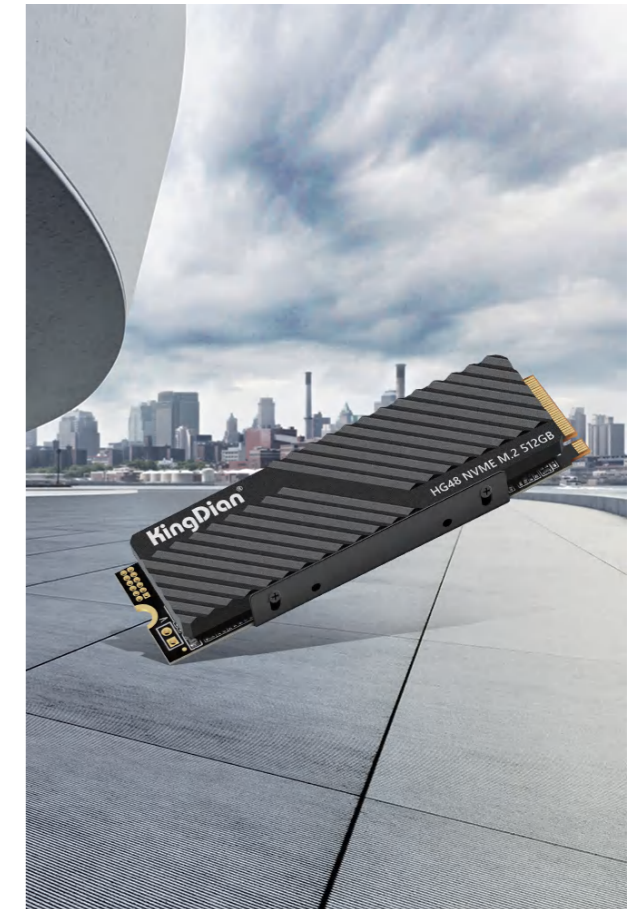


Model Name	HG48-NVME-512GB	HG48-NVME-1TB	HG48-NVME-2TB	HG48-NVME-4TB
Capacity	512GB	1TB	2TB	4TB
Max Sequential Read	5034MB/s	5078MB/s	4904MB/s	4945MB/s
Max Sequential Write	2472MB/s	4448MB/s	4589MB/s	4535MB/s
Cache	512MB	1024MB	2048MB	4096MB
Product Series	HG48 NVMe (PCIe) Series SSD			
Interface Type	NVMe(PCIe Gen4)			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	PCIe			
Net Weight	40g			
Gross Weight	60g			
RGB	NO			
Temperature Alert	NO			
OEM/ODM	YES			
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*9MM			
Box Packing Size	120x60x15mm			
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



G48 550PRO NVME M.2 Series



Model Name	G48-550PRO-512GB	G48-550PRO-1TB	G48-550PRO-2TB	G48-550PRO-4TB
Capacity	512GB	1TB	2TB	4TB
Max Sequential Read	5034MB/s	5078MB/s	4904MB/s	4945MB/s
Max Sequential Write	2472MB/s	4448MB/s	4589MB/s	4535MB/s
Cache	512MB	1024MB	2048MB	4096MB
Product Series	550PRO NVMe(PCIE) Series SSD			
Interface Type	NVMe(PCIE Gen4)			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	PCIe			
Net Weight	15g			
Gross Weight	45g			
RGB	NO			
Temperature Alert	NO			
OEM/ODM	YES			
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 Dimension	22*80*3MM			
Box Packing Size	120x60x15mm			
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-512GB	G48-760PRO-1TB	G48-760PRO-2TB	G48-760PRO-4TB
Capacity	512GB	1TB	2TB	4TB
Max Sequential Read	7020MB/s	7020MB/s	7030MB/s	7035MB/s
Max Sequential Write	4450MB/s	6557MB/s	6500MB/s	6535MB/s
Cache	512MB	1024MB	2048MB	4096MB
Product Series	760PRO NVMe(PCIE) Series SSD			
Interface Type	NVMe(PCIE Gen4)			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	PCIe			
Net Weight	15g			
Gross Weight	45g			
RGB	NO			
Temperature Alert	NO			
OEM/ODM	YES			
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 Dimension	22*80*3MM			
Box Packing Size	120x60x15mm			
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)

NVME 22X30 Series



Model Name-GEN3	G33-NVME-128GB	G33-NVME-256GB	G33-NVME-512GB	G33-NVME-1TB	G33-NVME-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	910MB/s	1825MB/s	2250MB/s	2350MB/s	3508MB/s
Max Sequential Write	630MB/s	1168MB/s	1735MB/s	2035MB/s	3195MB/s
Model Name-GEN4	G43-NVME-128GB	G43-NVME-256GB	G43-NVME-512GB	G43-NVME-1TB	G43-NVME-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	1215MB/s	2215MB/s	4806MB/s	4722MB/s	4735MB/s
Max Sequential Write	780MB/s	1235MB/s	2434MB/s	4200MB/s	4215MB/s
Product Series	NVMe(PCIE)Series SSD				
Interface Type	NVMe(PCIE Gen3/4)				
Origin	CN(Origin)				
Brand	KingDian				
Transport Protocol	PCIe				
Net Weight	10g				
Gross Weight	25g				
Temperature Alert	NO				
RGB	NO				
OEM/ODM	YES				
Cache	None				
Nand Flash Type	TLC/QLC				
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				
MTBF	1500000h				
Item Dimension	22*30*3MM				
Box Packing Size	120x60x15mm				
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-128GB	G34-NVME-256GB	G34-NVME-512GB	G34-NVME-1TB	G34-NVME-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	2170MB/s	2022MB/s	2476MB/s	2372MB/s	3485MB/s
Max Sequential Write	608MB/s	1332MB/s	1762MB/s	1813MB/s	3218MB/s
Product Series	NVMe(PCIE) Series SSD				
Interface Type	NVMe(PCIE Gen3)				
Origin	CN(Origin)				
Brand	KingDian				
Transport Protocol	PCIe				
Net Weight	12g				
Gross Weight	30g				
Temperature Alert	NO				
RGB	NO				
OEM/ODM	YES				
Cache	None				
Nand Flash Type	TLC/QLC				
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				
MTBF	1500000h				
Item Dimension	22*42*3MM				
Box Packing Size	120x60x15mm				
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-128GB	G38-NVME-256GB	G38-NVME-512GB	G38-NVME-1TB	G38-NVME-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	2170MB/s	2022MB/s	2476MB/s	2372MB/s	3485MB/s
Max Sequential Write	608MB/s	1332MB/s	1762MB/s	1813MB/s	3218MB/s
Product Series	NVMe(Pcie) Series SSD				
Interface Type	NVMe(Pcie Gen3)				
Origin	CN(Origin)				
Brand	KingDian				
Transport Protocol	PCIe				
Net Weight	15g				
Gross Weight	45g				
Temperature Alert	NO				
RGB	NO				
OEM/ODM	YES				
Cache	None				
Nand Flash Type	TLC/QLC				
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				
MTBF	1500000h				
Item Demension	22*80*3MM				
Box Packing Size	120x60x15mm				
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)

NGFF22X80 Series



Model Name	N480-64GB	N480-128GB	N480-256GB	N480-512GB	N480-1TB	N480-2TB
Capacity	64GB	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	475MB/s	519MB/s	547MB/s	549MB/s	515MB/s	545MB/s
Max Sequential Write	305MB/s	464MB/s	465MB/s	520MB/s	511MB/s	510MB/s
Product Series	NGFF(M.2)2280 Series SSD					
Interface Type	M.2 NGFF(6.0 Gb/s)					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI					
Net Weight	15g					
Gross Weight	45g					
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	120x60x15mm					
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)

Model Name	N400-32GB	N400-64GB	N400-128GB	N400-256GB	N400-512GB	N400-1TB	N400-2TB
Capacity	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	248MB/s	547MB/s	527MB/s	500MB/s	543MB/s	514MB/s	550MB/s
Max Sequential Write	166MB/s	293MB/s	506MB/s	450MB/s	515MB/s	511MB/s	550MB/s
Product Series	NGFF(M.2) 22x42 Series SSD						
Interface Type	M.2 NGFF(6.0 Gb/s)						
Origin	CN(Origin)						
Brand	KingDian						
Transport Protocol	AHCI						
Net Weight	10g						
Gross Weight	40g						
RGB	NO						
Temperature Alert	NO						
OEM/ODM	YES						
Cache	None						
4KB Random Write	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	120x60x15mm						
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)

NGFF22X42 Seires



Model Name	M100-32GB	M200-64GB	M280-128GB	M280-256GB	M280-512GB	M280-1TB	M280-2TB
Capacity	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	282MB/s	290MB/s	538MB/s	516MB/s	550MB/s	520MB/s	550MB/s
Max Sequential Write	72MB/s	224MB/s	481MB/s	524MB/s	498MB/s	484MB/s	535MB/s
Product Series	mSATA Series SSD						
Interface Type	mSATA(3.0Gb/s 6.0Gb/s)						
Origin	CN(Origin)						
Brand	KingDian						
Transport Protocol	AHCI						
Net Weight	15g						
Gross Weight	45g						
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	120x60x15mm						
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



SATA2 2.5Inch Series



Model Name	S100-8GB	S100-16GB	S100-32GB
Capacity	8GB	16GB	32GB
Max Sequential Read	102MB/s	203MB/s	529MB/s
Max Sequential Write	13MB/s	26MB/s	328MB/s
Product Series	2.5Inch SATA2 Series SSD		
Interface Type	SATAII (3.0 Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	40g		
Gross Weight	70g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	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		
MTBF	2000000h		
Item Dimension	100*70*9MM		
Box Packing Size	120x60x15mm		
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
Max Sequential Read	102MB/s	203MB/s	219MB/s
Max Sequential Write	13MB/s	26MB/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	15g		
Gross Weight	35g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	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		
MTBF	2000000h		
Item Dimension	54*38*3MM		
Box Packing Size	120x60x15mm		
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
Max Sequential Read	102MB/s	203MB/s	219MB/s
Max Sequential Write	13MB/s	26MB/s	52MB/s
Product Series	1.8Inch SATA2 Series SSD		
Interface Type	SATAII(3.0Gb/s)		
Origin	CN(Origin)		
Brand	KingDian		
Transport Protocol	AHCI		
Net Weight	25g		
Gross Weight	45g		
RGB	NO		
Temperature Alert	NO		
OEM/ODM	YES		
Cache	None		
4KB Random Write	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		
MTBF	2000000h		
Item Dimension	54.1*39*5MM		
Box Packing Size	120x60x15mm		
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)

Model Name	KDM900 32GB	KDM900 64GB	KDM900 128GB	KDM900 256GB	KDM900 512GB	KDM900 1TB	KDM900 2TB
Capacity	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	217MB/s	475MB/s	560MB/s	560MB/s	560MB/s	560MB/s	560MB/s
Max Sequential Write	192MB/s	305MB/s	460MB/s	500MB/s	520MB/s	550MB/s	560MB/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	50g						
Gross Weight	80g						
RGB	NO						
Temperature Alert	NO						
OEM/ODM	YES						
Cache	None						
4KB Random Write	70000						
4KB Random Read	61000						
Internal/External	Internal						
Operating Voltage	5V						
Operating Temperature	-20~70°C						
Storage Temperature	-40~85°C						
Warranty	3 Years						
Nand Flash Type	MLC/TLC						
MTBF	2000000h						
Item Dimension	100*70*7MM						
Box Packing Size	145x90x17mm						
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)

MSATA Industrial SSD



2.5Inch SATA3 Industrial SSD



Model Name	KDS900 32GB	KDS900 64GB	KDS900 128GB	KDS900 256GB	KDS900 512GB	KDS900 1TB	KDS900 2TB
Capacity	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	217MB/s	475MB/s	560MB/s	560MB/s	560MB/s	560MB/s	560MB/s
Max Sequential Write	192MB/s	305MB/s	460MB/s	500MB/s	520MB/s	550MB/s	560MB/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	50g						
Gross Weight	80g						
RGB	NO						
Temperature Alert	NO						
OEM/ODM	YES						
Cache	None						
4KB Random Write	70000						
4KB Random Read	61000						
Internal/External	Internal						
Operating Voltage	5V						
Operating Temperature	-20~70°C						
Storage Temperature	-40~85°C						
Warranty	3 Years						
Nand Flash Type	MLC/TLC						
MTBF	2000000h						
Item Demension	100*70*7MM						
Box Packing Size	145x90x17mm						
Certificate	CE, FCC, ROHS, KC						
Application	PC/NB/Server/All in one PCetc						
Controller	SMI/veestor/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	KIN400 256GB	KIN400 512GB	KIN400 1TB
Capacity	32GB	64GB	128GB	256GB	512GB	1TB
Max Sequential Read	217MB/s	475MB/s	560MB/s	560MB/s	560MB/s	560MB/s
Max Sequential Write	192MB/s	305MB/s	460MB/s	500MB/s	520MB/s	550MB/s
Product Series	Industrial NGFF(M.2)22x42 Series SSD					
Interface Type	M.2 NGFF(6.0 Gb/s)					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI					
Net Weight	10g					
Gross Weight	40g					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	None					
4KB Random Write	70000					
4KB Random Read	61000					
Internal/External	Internal					
Operating Voltage	3.3V					
Operating Temperature	-20~70°C					
Storage Temperature	-40~85°C					
Warranty	3 Years					
Nand Flash Type	MLC/TLC					
MTBF	2000000h					
Item Demension	22*42*3MM					
Box Packing Size	120x60x15mm					
Certificate	CE, FCC, ROHS, KC					
Application	PC/NB/Server/All in one PCetc					
Controller	SMI/veestor/Realtek/Maxio etc					
Flash Brand	Intel/Micron/SAMSUNG/SK Hynix/SanDisk/Kioxia/YMTC					

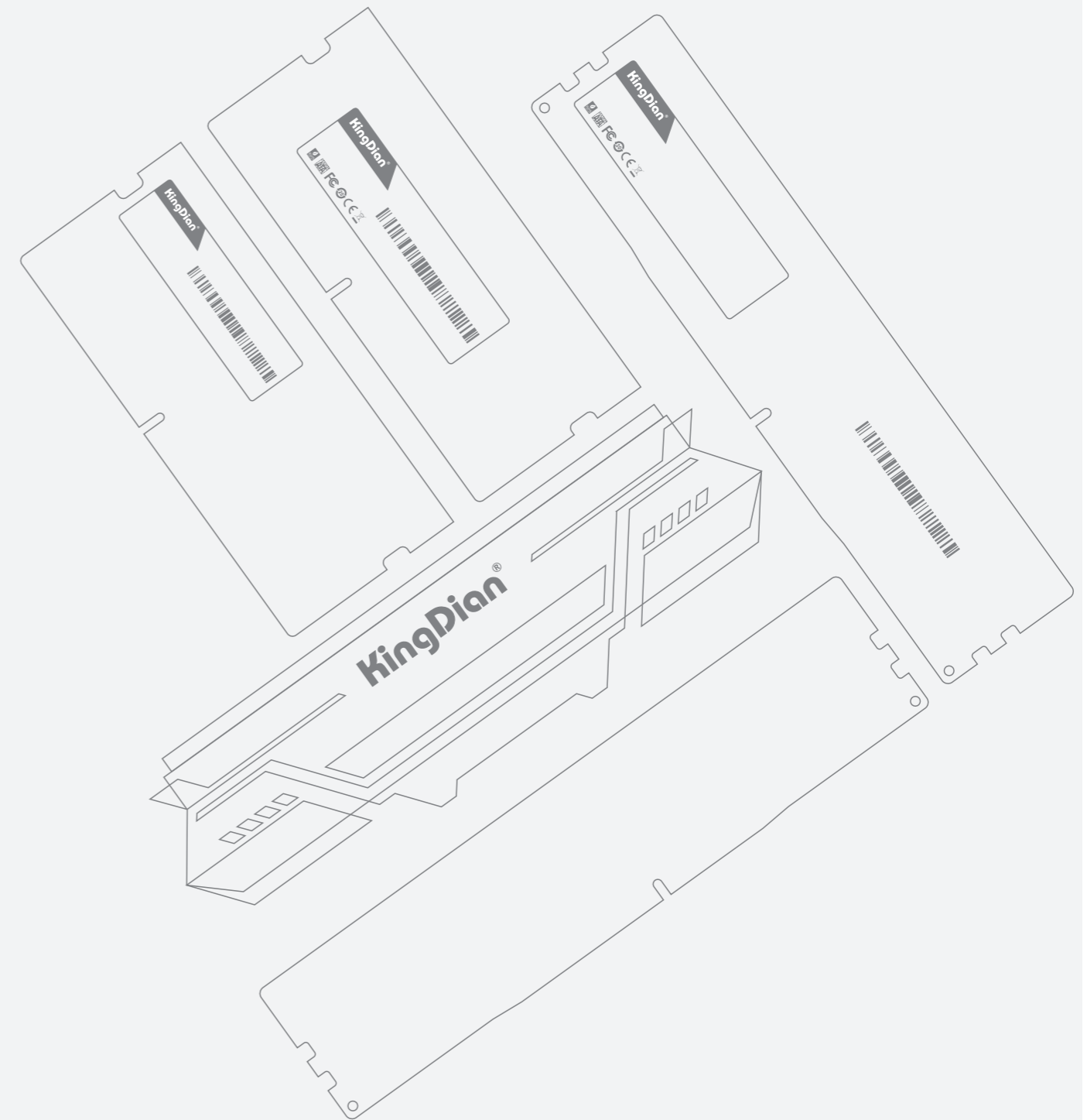
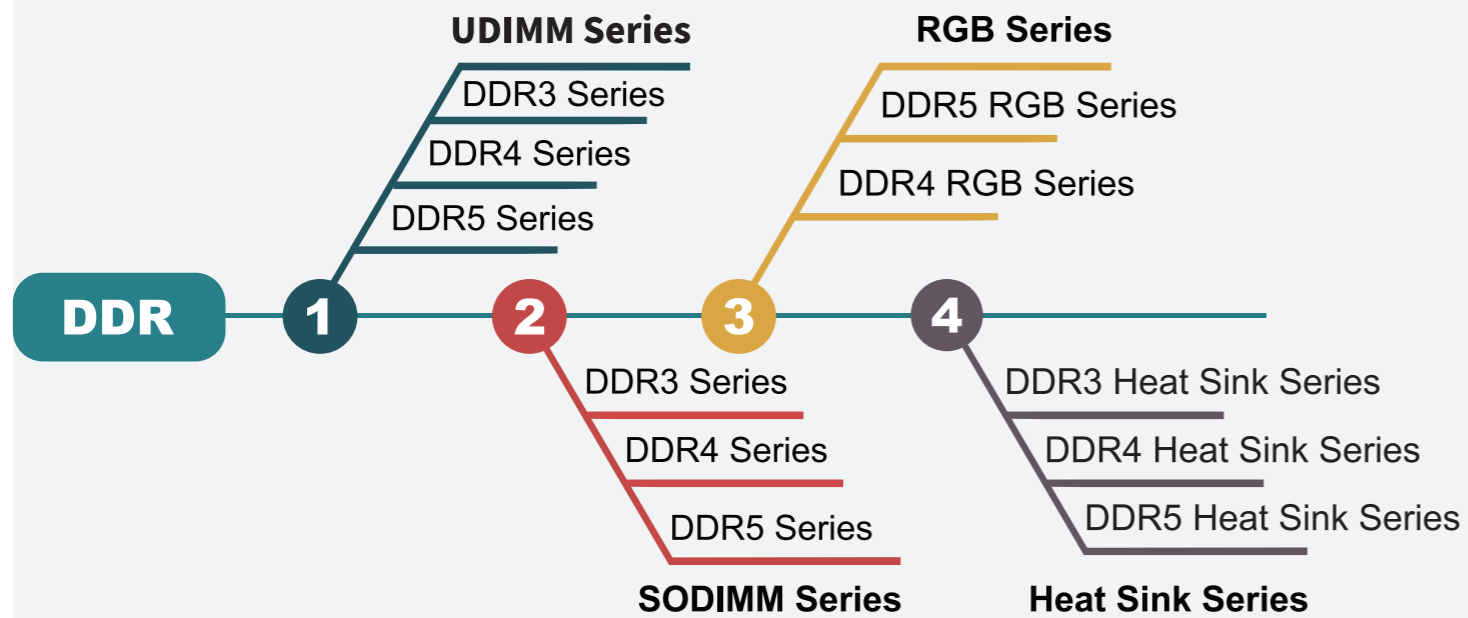
Note:

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



Version 2023

DDR PRODUCTS MANUAL



DDR5 UDIMM RGB Series(R51 Series)



Series	DDR5 UDIMM Series(R51 Series)			
	KingDian			
Capacity	16GB		32GB	
Model Number	R51-DDR5-PC-16GB		R51-DDR5-PC-32GB	
Memory Speed /Frequency	4800MHz	5600MHz	4800MHz	5600MHz
Memory Bandwidth(GB/s)	38400	44800	38400	44800
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency	40-40-40-77	47-47-47-90	40-40-40-77	47-47-47-90
Operating Voltage	1.1V	1.1V	1.1V	1.1V
No. of Memory IC	8/16			
Power Consumption	3W			
Controller IC	NO			
Overclock Support (YES/NO)	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Net Weight (g)	20g			
Gross Weight(g)	45g			
Pin Count	262			
OEM/ODM Support	YES			
Heat Sink / Heat Spreader	YES			
RGB lights	YES			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0-70°C			
Storage Temperature	-40-85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	69x30x4.0mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR4 UDIMM RGB Series(R11 Series)



Series	DDR4 RGB With Heatsink UDIMMSeries(R11 Series)			
	KingDian			
Capacity	8GB	16GB	32GB	
Model Number	R11 DDR4 - PC - 8GB	R11 DDR4 - PC - 16GB	R11 DDR4 - PC - 32GB	
Memory Speed /Frequency	2666/3000/3200/3600MHz	2666/3000/3200/3600MHz	2666/3000/3200/3600MHz	
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43	
CAS Latency-3000MHz	19-19-19-43	19-19-19-43	19-19-19-43	
CAS Latency-3200MHz	22-22-22-52	22-22-22-52	22-22-22-52	
CAS Latency-3600MHz	18-22-22-42	18-22-22-42	18-22-22-42	
No. of Memory IC	4 / 8 / / 16			
Operating Voltage	1.2V			
Power Consumption	3W			
Net Weight (g)	44g			
Gross Weight(g)	80g			
Controller IC	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Overclock Support (YES/NO)	NO			
Heat Sink / Heat Spreader	YES			
RGB lights	YES			
OEM/ODM Support	YES			
Pin Count	288			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0-70°C			
Storage Temperature	-40-85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	145x46x5.5mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR5 UDIMM Heat Sink Series(H51 Series)



Series	DDR5 With Heatsink UDIMM Series(H51 Series)			
	KingDian			
Capacity	16GB		32GB	
Model Number	R51-DDR5-PC-16GB		R51-DDR5-PC-32GB	
Memory Speed /Frequency	4800MHz	5600MHz	4800MHz	5600MHz
Memory Bandwidth(GB/s)	38400	44800	38400	44800
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency	40-40-40-77	47-47-47-90	40-40-40-77	47-47-47-90
Operating Voltage	1.1V	1.1V	1.1V	1.1V
No. of Memory IC	8/16			
Power Consumption	3W			
Controller IC	NO			
Overclock Support (YES/NO)	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Net Weight (g)	20g			
Gross Weight(g)	45g			
Pin Count	262			
OEM/ODM Support	YES			
Heat Sink / Heat Spreader	YES			
RGB lights	NO			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0-70°C			
Storage Temperature	-40-85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	69x30x4.0mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR4 UDIMM Heat Sink Series(H11 Series)



Series	DDR4 With Heatsink UDIMM Series(H11 Series)			
	KingDian			
Capacity	4GB	8GB	16GB	32GB
Model Number	H11 DDR4-PC-4GB	H11 DDR4-PC-8GB	H11 DDR4-PC-16GB	H11 DDR4-PC-32GB
Memory Speed /Frequency	2400/2666/3200MHz	2666/3200MHz	2666/3200MHz	2666/3200MHz
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency-2400MHz	17-17-17-39			
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3200MHz	22-22-22-52	22-22-22-52	22-22-22-52	22-22-22-52
No. of Memory IC	4/8/16			
Operating Voltage	1.2V			
Power Consumption	3W			
Net Weight (g)	36g			
Gross Weight(g)	72g			
Controller IC	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Overclock Support (YES/NO)	NO			
Heat Sink / Heat Spreader	YES			
OEM/ODM Support	YES			
Pin Count	288			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0-70°C			
Storage Temperature	-40-85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	145x43x5mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR4 UDIMM RGB Series(RH41 Series)



Series	DDR4 RGB With Heatsink UDIMM Series(RH41 Series)		
Brand	KingDian		
Capacity	8GB	16GB	32GB
Model Number	RH41 DDR4-PC-8GB	RH41 DDR4-PC-16GB	RH41 DDR4-PC-32GB
Memory Speed /Frequency	2666/3000/3200/3600MHz	2666/3000/3200/3600MHz	2666/3000/3200/3600MHz
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3000MHz	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3200MHz	22-22-22-52	22-22-22-52	22-22-22-52
CAS Latency-3600MHz	18-22-22-42	18-22-22-42	18-22-22-42
No. of Memory IC	4 // 8 // 16		
Operating Voltage	1.2V		
Power Consumption	3W		
Net Weight (g)	52g		
Gross Weight(g)	80g		
Controller IC	NO		
ECC(Error Correction Code)(YES/NO)	NO		
Overclock Support (YES/NO)	NO		
Heat Sink / Heat Spreader	YES		
RGB lights	YES		
OEM/ODM Support	YES		
Pin Count	288		
Form Factor	UDIMM		
Computer Memory Type(DRAM/SDRAM)	DRAM		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
No. of Memory Channels (Single/Dual)	(Single/Dual)		
Product Dimension (W x D x H)in mm	138x52x6mm		
Buffered /Un-buffered Memory	Un-buffered Memory		
Memory IC Brand	Micron/Samsung/Sk Hynix		

DDR4 UDIMM RGB Series(RH42 Series)



Series	DDR4 RGB With Heatsink UDIMM Series(RH42 Series)		
Brand	KingDian		
Capacity	8GB	16GB	32GB
Model Number	RH42 DDR4-PC-8GB	RH42 DDR4-PC-16GB	RH42 DDR4-PC-32GB
Memory Speed /Frequency	2666/3000/3200/3600MHz	2666/3000/3200/3600MHz	2666/3000/3200/3600MHz
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3000MHz	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3200MHz	22-22-22-52	22-22-22-52	22-22-22-52
CAS Latency-3600MHz	18-22-22-42	18-22-22-42	18-22-22-42
No. of Memory IC	4 // 8 // 16		
Operating Voltage	1.2V		
Power Consumption	3W		
Net Weight (g)	48g		
Gross Weight(g)	80g		
Controller IC	NO		
ECC(Error Correction Code)(YES/NO)	NO		
Overclock Support (YES/NO)	NO		
Heat Sink / Heat Spreader	YES		
RGB lights	YES		
OEM/ODM Support	YES		
Pin Count	288		
Form Factor	UDIMM		
Computer Memory Type(DRAM/SDRAM)	DRAM		
Operating Temperature	0~70°C		
Storage Temperature	-40~85°C		
Warranty	3 Years		
No. of Memory Channels (Single/Dual)	(Single/Dual)		
Product Dimension (W x D x H)in mm	135x45x6mm		
Buffered /Un-buffered Memory	Un-buffered Memory		
Memory IC Brand	Micron/Samsung/Sk Hynix		

DDR4 UDIMM Heat Sink Series(H41 Series)



Series	DDR4 With Heatsink UDIMM Series(H41 Series)			
Brand	KingDian			
Capacity	4GB	8GB	16GB	32GB
Model Number	H41 DDR4-PC-4GB	H41 DDR4-PC-8GB	H41 DDR4-PC-16GB	H41 DDR4-PC-32GB
Memory Speed /Frequency	2400/2666/3200MHz	2666/3200MHz	2666/3200MHz	2666/3200MHz
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency-2400MHz	17-17-17-39			
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3200MHz	22-22-22-52	22-22-22-52	22-22-22-52	22-22-22-52
No. of Memory IC	4//8//16			
Operating Voltage	1.2V			
Power Consumption	3W			
Net Weight (g)	52g			
Gross Weight(g)	80g			
Controller IC	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Overclock Support (YES/NO)	NO			
Heat Sink / Heat Spreader	YES			
OEM/ODM Support	YES			
Pin Count	288			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	138x52x6mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

Series	DDR4 With Heatsink UDIMM Series(H42 Series)			
Brand	KingDian			
Capacity	4GB	8GB	16GB	32GB
Model Number	H42 DDR4-PC-4GB	H42 DDR4-PC-8GB	H42 DDR4-PC-16GB	H42 DDR4-PC-32GB
Memory Speed /Frequency	2400/2666/3200MHz	2666/3200MHz	2666/3200MHz	2666/3200MHz
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency-2400MHz	17-17-17-39			
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3200MHz	22-22-22-52	22-22-22-52	22-22-22-52	22-22-22-52
No. of Memory IC	4//8//16			
Operating Voltage	1.2V			
Power Consumption	3W			
Net Weight (g)	48g			
Gross Weight(g)	80g			
Controller IC	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Overclock Support (YES/NO)	NO			
Heat Sink / Heat Spreader	YES			
OEM/ODM Support	YES			
Pin Count	288			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	135x45x6mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR4 UDIMM Heat Sink Series(H42 Series)



DDR5 UDIMM Series



Series	DDR5 UDIMM Series			
	KingDian			
Capacity	16GB		32GB	
Model Number	DDR5-PC-16GB		DDR5-PC-32GB	
Memory Speed /Frequency	4800MHz	5600MHz	4800MHz	5600MHz
Memory Bandwidth(GB/s)	38400	44800	38400	44800
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency	40-40-40-77	47-47-47-90	40-40-40-77	47-47-47-90
Operating Voltage	1.1V	1.25V	1.1V	1.25V
No. of Memory IC	8/16			
Power Consumption	3W			
Controller IC	NO			
Overclock Support (YES/NO)	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Net Weight (g)	20g			
Gross Weight(g)	45g			
Pin Count	288			
OEM/ODM Support	YES			
Heat Sink / Heat Spreader	NO			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	133x30x4.0mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR4 UDIMM Series



Series	DDR4 UDIMM Series			
	KingDian			
Capacity	4GB	8GB	16GB	32GB
Model Number	DDR4-PC-4GB	DDR4-PC-8GB	DDR4-PC-16GB	DDR4-PC-32GB
Memory Speed /Frequency	2400/2666MHz	2400/2666/3200MHz	2666/3200MHz	2666/3200MHz
Memory Bandwidth(GB/s)	19200	21300	21300	21300
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency-2400MHz	17-17-17-39	17-17-17-39		
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3200MHz		22-22-22-52	22-22-22-52	22-22-22-52
No. of Memory IC	4/8/16			
Power Consumption	3W			
Controller IC	NO			
Overclock Support (YES/NO)	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Net Weight (g)	20g			
Gross Weight(g)	45g			
Pin Count	288			
Operating Voltage	1.2V			
OEM/ODM Support	YES			
Heat Sink / Heat Spreader	NO			
Form Factor	UDIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	133x30x4.0mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR5 SODIMM Series



Series	DDR5 SODIMM Series			
	KingDian			
Capacity	16GB		32GB	
Model Number	DDR5-NB-16GB		DDR5-NB-32GB	
Memory Speed /Frequency	4800MHz	5600MHz	4800MHz	5600MHz
Memory Bandwidth(GB/s)	38400	44800	38400	44800
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency	40-40-40-77	47-47-47-90	40-40-40-77	47-47-47-90
Operating Voltage	1.1V	1.1V	1.1V	1.1V
No. of Memory IC	8/16			
Power Consumption	3W			
Controller IC	NO			
Overclock Support (YES/NO)	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Net Weight (g)	20g			
Gross Weight(g)	45g			
Pin Count	262			
OEM/ODM Support	YES			
Heat Sink / Heat Spreader	NO			
Form Factor	SODIMM			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	69x30x4.0mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR4 SODIMM Series



Series	DDR4 SODIMM Series			
	KingDian			
Capacity	4GB	8GB	16GB	32GB
Model Number	DDR4-NB-4GB	DDR4-NB-8GB	DDR4-NB-16GB	DDR4-NB-32GB
Memory Speed /Frequency	2400/2666MHz	2400/2666/3200MHz	2666/3200MHz	2666/3200MHz
Memory Bandwidth(GB/s)	19200	21300	21300	21300
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8	2Rx8	2Rx8
CAS Latency-2400MHz	17-17-17-39	17-17-17-39		
CAS Latency-2666MHz	19-19-19-43	19-19-19-43	19-19-19-43	19-19-19-43
CAS Latency-3200MHz		22-22-22-52	22-22-22-52	22-22-22-52
No. of Memory IC	4/8/16			
Operating Voltage	1.2V			
Power Consumption	3W			
Net Weight (g)	15g			
Gross Weight(g)	40g			
Controller IC	NO			
Overclock Support (YES/NO)	NO			
Heat Sink / Heat Spreader	NO			
ECC(Error Correction Code)(YES/NO)	NO			
Pin Count	260			
OEM/ODM Support	YES			
Computer Memory Type(DRAM/SDRAM)	DRAM			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
Form Factor	SODIMM			
No. of Memory Channels (Single/Dual)	(Single/Dual)			
Product Dimension (W x D x H)in mm	70x30x3.5mm			
Buffered /Un-buffered Memory	Un-buffered Memory			
Memory IC Brand	Micron/Samsung/Sk Hynix			

DDR3 UDIMM Seires



Series	DDR3 UDIMM Seires		
Brand	KingDian		
Capacity	2GB	4GB	8GB
Model Number	DDR3-PC-2GB	DDR3-PC-4GB	DDR3-PC-8GB
Memory Speed /Frequency	1333MHz	1333/1600MHz	1333/1600MHz
Memory Bandwidth (GB/s)	10700	12800	12800
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8/2Rx8	2Rx8
CAS Latency-1333MHz	9-9-9-24	9-9-9-24	9-9-9-24
CAS Latency-1600MHz		11-11-11-28	11-11-11-28
No. of Memory IC	8	8/16	8/16
Pin Count	240		
Net Weight (g)	17g		
Gross Weight(g)	42g		
ECC(Error Correction Code)(YES/NO)	NO		
Overclock Support (YES/NO)	NO		
Heat Sink / Heat Spreader	NO		
OEM/ODM Support	YES		
Operating Voltage	1.5V		
Controller IC	None		
Computer Memory Type(DRAM/SDRAM)	DRAM		
No. of Memory Channels (Single/Dual)	Single		
Operating Temperature	0-70°C		
Storage Temperature	-40-85°C		
Form Factor	UDIMM		
Warranty	3 Years		
Power Consumption	6W Max		
Product Dimension (W x D x H)in mm	133x30x4.0mm		
Buffered /Un-buffered Memory	Un-buffered Memory		
Memory IC Brand	Micron/Samsung/Sk Hynix		

DDR3 SODIMM Series

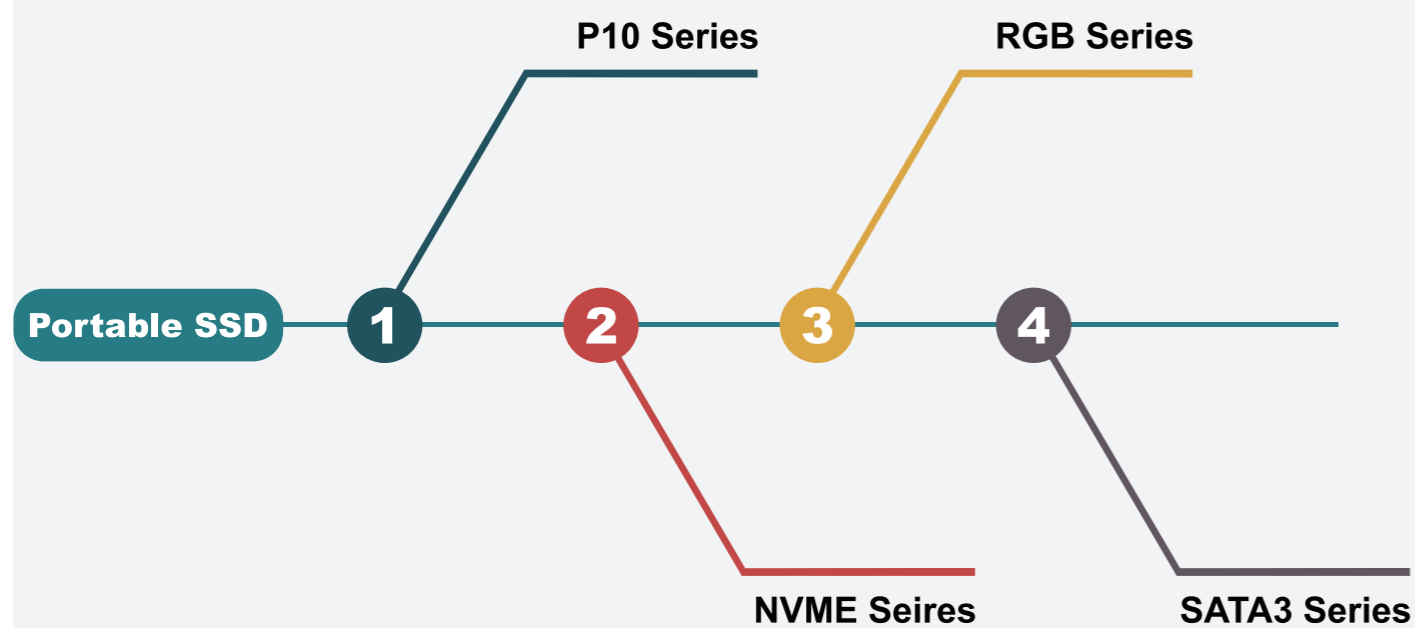
Series	DDR3 SODIMM Series		
Brand	KingDian		
Capacity	2GB	4GB	8GB
Model Number	DDR3-NB-2GB	DDR3-NB-4GB	DDR3-NB-8GB
Memory Speed /Frequency	1333MHz	1333/1600MHz	1333/1600MHz
Memory Bandwidth (GB/s)	10700	12800	12800
Rank(1Rx8/2Rx8/8Rx4)	1Rx8	1Rx8/2Rx8	2Rx8
CAS Latency-1333MHz	9-9-9-24	9-9-9-24	9-9-9-24
CAS Latency-1600MHz		11-11-11-28	11-11-11-28
No. of Memory IC	8	8/16	8/16
Pin Count	204		
Overclock Support (YES/NO)	NO		
Heat Sink / Heat Spreader	NO		
ECC(Error Correction Code)(YES/NO)	NO		
OEM/ODM Support	YES		
Net Weight (g)	13g		
Gross Weight(g)	38g		
Operating Voltage	1.35V		
Controller IC	None		
Computer Memory Type(DRAM/SDRAM)	DRAM		
Operating Temperature	0-70°C		
Storage Temperature	-40-85°C		
No. of Memory Channels (Single/Dual)	Single		
Warranty	3 Years		
Power Consumption	6W Max		
Form Factor	SODIMM		
Product Dimension (W x D x H)in mm	68x30x3.2mm		
Buffered /Un-buffered Memory	Un-buffered Memory		
Memory IC Brand	Micron/Samsung/Sk Hynix		



KingDian® | Focus on SSD and DDR memory
Since 2010

Version 2023 //

PORTABLE SSD PRODUCTS MANUAL



PI0 Type-C Portable SSD Series



Model Name	P10-120GB	P10-250GB	P10-500GB	P10-1TB
Capacity	120GB	250GB	500GB	1TB
Max Sequential Read	410MB/s	517MB/s	420MB/s	420MB/s
Max Sequential Write	405MB/s	464MB/s	408MB/s	410MB/s
Product Series	P10 Type-C Portable SSD			
Interface Type	Type-C to USB			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	AHCI			
Net Weight	40g			
Gross Weight	90g			
RGB	NO			
Temperature Alert	NO			
OEM/ODM	YES			
Cache	Built-in 384 KB			
4KB Random Write	34325			
4KB Random Read	24306			
Internal/External	External			
Operating Voltage	5V			
Operating Temperature	0~70°C			
Storage Temperature	-40~85°C			
Warranty	3 Years			
Nand Flash Type	TLC/QLC			
MTBF	1000000h			
Item Dimension	68*36*10MM			
Box Packing Size	90mmx70mmx38mm			
Certificate	CE, FCC, ROHS, KC			
Application	Cellphone/PC/NB/Server/All in one PC etc			
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)

PNV11 Type-C Portable SSD Series



Model Name	PNV11-128GB	PNV11-256GB	PNV11-512GB	PNV11-1TB	PNV11-2TB	PNV11-4TB
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
Max Sequential Read	1053MB/s	930MB/s	945MB/s	960MB/s	960MB/s	960MB/s
Max Sequential Write	636MB/s	803MB/s	825MB/s	843MB/s	843MB/s	843MB/s
Product Series	PNV11 Type-C Portable SSD					
Interface Type	Type-C to USB					
Device Supports	22x30/22x42/22x60/22x80mm NVME/NGFF M.2 SSD					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI/PCIe					
Net Weight	40g					
Gross Weight	90g					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	Built-in 384 KB					
4KB Random Write	53300					
4KB Random Read	44464					
Internal/External	External					
Operating Voltage	5V					
Operating Temperature	0~70°C					
Storage Temperature	-40~85°C					
Warranty	3 Years					
Nand Flash Type	TLC/QLC					
MTBF	1000000h					
Item Dimension	199mmx38mmx13mm					
Certificate	CE, FCC, ROHS, KC					
Application	Cellphone/PC/NB/Server/All in one PC etc					
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)

P11 RGB Type-C Portable SSD Series



Model Name	P11-120GB	P11-250GB	P11-500GB	P11-1TB	P11-2TB
Capacity	120GB	250GB	500GB	1TB	2TB
Max Sequential Read	553MB/s	446MB/s	562MB/s	420MB/s	420MB/s
Max Sequential Write	450MB/s	509MB/s	512MB/s	410MB/s	410MB/s
Product Series	P11 RGB Type-C Portable SSD				
Interface Type	Type-C to USB				
Device Supports	22x30/22x42/22x60/22x80mm NGFF M.2SSD				
Origin	CN(Origin)				
Brand	KingDian				
Transport Protocol	AHCI				
Net Weight	70g				
Gross Weight	120g				
Temperature Alert	NO				
RGB	YES				
OEM/ODM	YES				
Cache	Built-in 384 KB				
4KB Random Write	37053				
4KB Random Read	23402				
Internal/External	External				
Operating Voltage	5V				
Operating Temperature	0~70°C				
Storage Temperature	-40~85°C				
Warranty	3 Years				
Nand Flash Type	TLC/QLC				
MTBF	1000000h				
Item Dimension	102*37*10MM				
Box Packing Size	118mmx64mmx32mm				
Certificate	CE, FCC, ROHS, KC				
Application	PC/NB/Server/All in one PC etc				
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)

Model Name	PNV12-128GB	PNV12-256GB	PNV12-512GB	PNV12-1TB	PNV12-2TB	PNV12-4TB
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
Max Sequential Read	1042MB/s	930MB/s	945MB/s	960MB/s	960MB/s	960MB/s
Max Sequential Write	631MB/s	803MB/s	825MB/s	843MB/s	843MB/s	843MB/s
Product Series	PNV12 Type-C Portable SSD					
Interface Type	Type-C to USB					
Device Supports	22x30/22x42/22x60/22x80mm NVME/NGFF M.2 SSD					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI/PCIe					
Net Weight	40g					
Gross Weight	90g					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	Built-in 384 KB					
4KB Random Write	54075					
4KB Random Read	46520					
Internal/External	External					
Operating Voltage	5V					
Operating Temperature	0~70°C					
Storage Temperature	-40~85°C					
Warranty	3 Years					
Nand Flash Type	TLC/QLC					
MTBF	1000000h					
Item Dimension	119mmx38mmx13mm					
Certificate	CE, FCC, ROHS, KC					
Application	Cellphone/PC/NB/Server/All in one PC etc					
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)

PNV12 TypeC Portable SSD Series



PNV13 Type-C Portable SSD Series



Model Name	PNV13-128GB	PNV13-256GB	PNV13-512GB	PNV13-1TB	PNV13-2TB	PNV13-4TB
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
Max Sequential Read	1063MB/s	930MB/s	945MB/s	960MB/s	960MB/s	960MB/s
Max Sequential Write	630MB/s	803MB/s	825MB/s	843MB/s	843MB/s	843MB/s
Product Series	PNV13 Type-C Portable SSD					
Interface Type	Type-C to USB					
Device Supports	22x30/22x42/22x60/22x80mm NVME/NGFF M.2 SSD					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI/PCIe					
Net Weight	40g					
Gross Weight	90g					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	Built-in 384 KB					
4KB Random Write	57308					
4KB Random Read	50981					
Internal/External	External					
Operating Voltage	5V					
Operating Temperature	0-70°C					
Storage Temperature	-40-85°C					
Warranty	3 Years					
Nand Flash Type	TLC/QLC					
MTBF	1000000h					
Item Dimension	105mmx40mmx12mm					
Certificate	CE, FCC, ROHS, KC					
Application	Cellphone/PC/NB/Server/All in one PC etc					
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)

P2501 Portable Ssd Series



Model Name	P2501-128GB	P2501-256GB	P2501-512GB	P2501-1TB	P2501-2TB	P2501-4TB
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
Max Sequential Read	462MB/s	463MB/s	463MB/s	464MB/s	462MB/s	462MB/s
Max Sequential Write	390MB/s	430MB/s	436MB/s	438MB/s	448MB/s	448MB/s
Product Series	P2501 Portable SSD Series					
Interface Type	USB					
Device Supports	2.5Inch 7mm/9mm SSD/HDD					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI					
Net Weight	90g SSD/200g HDD					
Gross Weight	140g SSD/250g HDD					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	Built-in 384 KB					
4KB Random Write	37718					
4KB Random Read	36281					
Internal/External	External					
Operating Voltage	5V					
Operating Temperature	0-70°C					
Storage Temperature	-40-85°C					
Warranty	3 Years					
Nand Flash Type	TLC/QLC					
MTBF	1000000h					
Item Dimension	122mmx80mmx14mm					
Certificate	CE, FCC, ROHS, KC					
Application	Cellphone/PC/NB/Server/All in one PC etc					
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)

P2503 Series Portable SSD Series

Model Name	P2503-128GB	P2503-256GB	P2503-512GB	P2503-1TB	P2503-2TB	P2503-4TB
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
Max Sequential Read	462MB/s	463MB/s	463MB/s	464MB/s	462MB/s	462MB/s
Max Sequential Write	390MB/s	430MB/s	436MB/s	438MB/s	448MB/s	448MB/s
Product Series	P2503 Portable SSD Series					
Interface Type	USB					
Device Supports	2.5Inch 7mm/9mm SSD/HDD					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI					
Net Weight	90g SSD/200g HDD					
Gross Weight	140g SSD/250gHDD					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	Built-in 384 KB					
4KB Random Write	37718					
4KB Random Read	36281					
Internal/External	External					
Operating Voltage	5V					
Operating Temperature	0-70°C					
Storage Temperature	-40-85°C					
Warranty	3 Years					
Nand Flash Type	TLC/QLC					
MTBF	1000000h					
Item Dimension	125mmx80mmx15mm					
Certificate	CE, FCC, ROHS, KC					
Application	Cellphone/PC/NB/Server/All in one PC etc					
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)



Model Name	P2502-128GB	P2502-256GB	P2502-512GB	P2502-1TB	P2502-2TB	P2502-4TB
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
Max Sequential Read	456MB/s	463MB/s	463MB/s	464MB/s	462MB/s	462MB/s
Max Sequential Write	392MB/s	430MB/s	436MB/s	438MB/s	448MB/s	448MB/s
Product Series	P2502 Portable SSD Series					
Interface Type	USB					
Device Supports	2.5Inch 7mm/9mm SSD/HDD					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI					
Net Weight	90gSSD/200gHDD					
Gross Weight	140g SSD/250gHDD					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	Built-in 384 KB					
4KB Random Write	37718					
4KB Random Read	36281					
Internal/External	External					
Operating Voltage	5V					
Operating Temperature	0-70°C					
Storage Temperature	-40-85°C					
Warranty	3 Years					
Nand Flash Type	TLC/QLC					
MTBF	1000000h					
Item Dimension	125mmx80mmx15mm					
Certificate	CE, FCC, ROHS, KC					
Application	Cellphone/PC/NB/Server/All in one PC etc					
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)

P2502 Series Portable SSD Series



P2504 Portable SSD Series

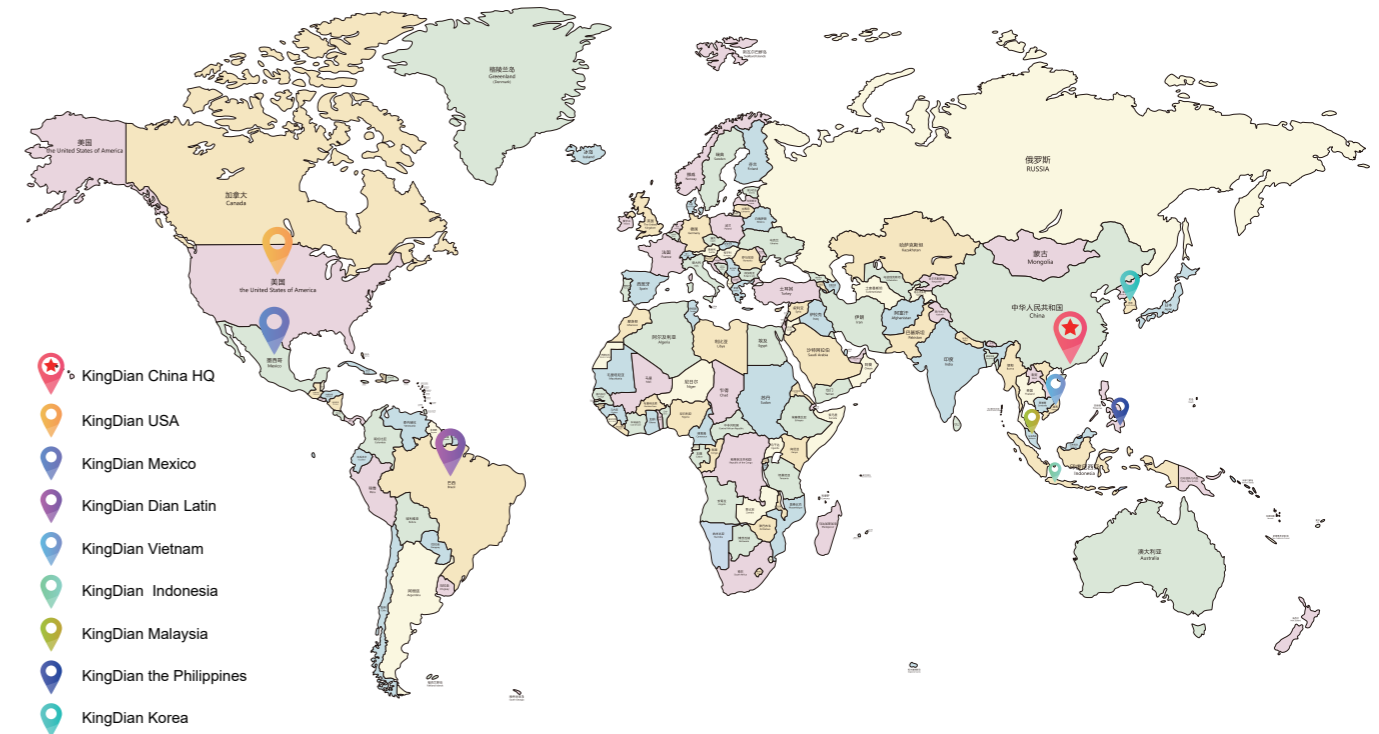


Model Name	P2504-128GB	P2504-256GB	P2504-512GB	P2504-1TB	P2504-2TB	P2504-4TB
Capacity	128GB	256GB	512GB	1TB	2TB	4TB
Max Sequential Read	462MB/s	463MB/s	463MB/s	464MB/s	462MB/s	462MB/s
Max Sequential Write	390MB/s	430MB/s	436MB/s	438MB/s	448MB/s	448MB/s
Product Series	P2504 Portable SSD Series					
Interface Type	USB					
Device Supports	2.5inch 7mm/9mm SSD/HDD					
Origin	CN(Origin)					
Brand	KingDian					
Transport Protocol	AHCI					
Net Weight	90gSSD/200gHDD					
Gross Weight	140g SSD/250gHDD					
RGB	NO					
Temperature Alert	NO					
OEM/ODM	YES					
Cache	Built-in 384 KB					
4KB Random Write	37718					
4KB Random Read	36281					
Internal/External	External					
Operating Voltage	5V					
Operating Temperature	0-70°C					
Storage Temperature	-40-85°C					
Warranty	3 Years					
Nand Flash Type	TLC/QLC					
MTBF	1000000h					
Item Dimension	125mmx80mmx13mm					
Certificate	CE, FCC, ROHS, KC					
Application	Cellphone/PC/NB/Server/All in one PC etc					
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)

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