KingDian 2010 Focus on SSD and DDR Memory Since Instruction Manual

KingDian®

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| Focus on SSD and DDR Memory Since 2010

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PORTABLE 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!

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 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)

PII RGB Type-C Portable SSD Series

Model Name	P11-120GB	P11-250GB	P11-500GB	P11-1TB
Capacity	120GB	250GB	500GB	1TB
Max Sequential Read	553MB/s	446MB/s	562MB/s	420MB/s
Max Sequential Write	450MB/s	509MB/s	512MB/s	410MB/s
Product Series	PII RGB Type-C Portable SSD			
Interface Type	Type-C to USB			
Device Supports	22×30/22×42/22×60/22x80mm NGFF M.2SSD			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	AHCI			
Net Weight	70g			
Gross Weight	120g			
RGB	NO			
Temperature Alert	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)

PNVII Type-C Portable SSD Series

Model Name	PNV11-128GB	PNV11-256GB	PNV11-512GB	PNV11-1TB
Capacity	128GB	256GB	512GB	1TB
Max Sequential Read	1053MB/s	930MB/s	945MB/s	960MB/s
Max Sequential Write	636MB/s	803MB/s	825MB/s	843MB/s
Product Series	PNV11 Type-C Portable SSD			
Interface Type	Type-C to USB			
Device Supports	22×30/22×42/22×60/22x80mm NVME/NGFF M.2 SSD			
Origin	CN(Origin)			
Brand	KingDian			
Transport Protocol	AHCI/PCle			
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)

Model Name	PNV12-128GB	PNV12-256GB	PNV12-512GB	PNV12-1TB
Capacity	128GB	256GB	512GB	1TB
Max Sequential Read	1042MB/s	930MB/s	945MB/s	960MB/s
Max Sequential Write	631MB/s	803MB/s	825MB/s	843MB/s
Product Series	PNV12 Type-C Portable SSD			
Interface Type	Type-C to USB			
Device Supports	22×30/22×42/22×60/22x80mm 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

PNVI3 Type-C Portable SSD Series

Model Name	PNV13-128GB	PNV13-256GB	PNV13-512GB	PNV13-1TB
Capacity	128GB	256GB	512GB	1TB
Max Sequential Read	1063MB/s	930MB/s	945MB/s	960MB/s
Max Sequential Write	630MB/s	803MB/s	825MB/s	843MB/s
Product Series	PNV13 Type-C Portable SSD			
Interface Type	Type-C to USB			
Device Supports	22×30/22×42/22×60/22x80mm 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
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	462MB/s	463MB/s	463MB/s	464MB/s	462MB/s
Max Sequential Write	390MB/s	430MB/s	436MB/s	438MB/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)

Model Name	P2502-128GB	P2502-256GB	P2502-512GB	P2502-1TB	P2502-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	456MB/s	463MB/s	463MB/s	464MB/s	462MB/s
Max Sequential Write	392MB/s	430MB/s	436MB/s	438MB/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	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	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	P2503-128GB	P2503-256GB	P2503-512GB	P2503-1TB	P2503-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	462MB/s	463MB/s	463MB/s	464MB/s	462MB/s
Max Sequential Write	390MB/s	430MB/s	436MB/s	438MB/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/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	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)

P2504 Portable SSD Series

Model Name	P2504-128GB	P2504-256GB	P2504-512GB	P2504-1TB	P2504-2TB
Capacity	128GB	256GB	512GB	1TB	2TB
Max Sequential Read	462MB/s	463MB/s	463MB/s	464MB/s	462MB/s
Max Sequential Write	390MB/s	430MB/s	436MB/s	438MB/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	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	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:
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International Branches

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Documents / Resources

	KingDian 2010 Focus on SSD and DDR Memory Since [pdf] Instruction Manual 2010 Focus on SSD and DDR Memory Since, on SSD and DDR Memory Since, DDR Memory Since, Memory Since, Since

References

- **User Manual**