KingSpec®

One-stop
Storage Solution

Consumer product brochure

Shenzhen KingSpec Electronics Technology Co., Ltd.

Company Mission and Vision

Our Mission:

To build a stable and secure data world.

To be the data inheritor of the industry.

Our Vision:

Keep providing high quality storage solutions for global partners and bring enthusiasm with every companions and employees.

Our Value：

Innovation and Progress

Openness and Inclusiveness

Integrity and Mutual Benefit

Store Talents and Hold Future

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About KingSpec

Shenzhen KingSpec Electronics Technology Co., Ltd.

Shenzhen KingSpec Electronics Technology Co., Ltd. was founded in 2007. The company specializes in the research and development of storage solutions, standard production, professional technical support services, and industrial customized application solutions. KingSpec is one of the earliest leading global well-known storage brand enterprises in China.

The company operates two brands: KingSpec (Consumer grade) and YANSEN (Industrial wide temperature grade). KingSpec is a consumer brand that offers storage solutions for personal laptops, desktops, and high-end gaming consoles. Yansen is a brand concentrated on providing solutions for industrial embedded applications. Both brands offer a variety of storage interfaces and KingSpec offers four product lines: Internal SSD, External SSD, DDR and Memory Card.

KingSpec has independent R&D team to provide OEM and ODM one-stop solutions for industry customers, from product design, solution verification and reliable tests till mass-production. KingSpec has provided customized solutions to different industries, including Data Center, Industrial Automation, Surveillance, Transportation, Medical, Financial, and IoT etc.

Product quality has always been KingSpec's brand core competence. KingSpec passed the strict quality tests, combined with ISO9001 quality management systems and production information management theory, to create the customized application simulation tests, including wide temperature, salt spray, shock & vibration, power loss protection, constant read and write, etc. Every product line obtained international certifications, including FCC, CE, RoHS, REACH, and WEEE.

After decades of technical advancements and brand development, Yansen and KingSpec expand successfully to the global market combined with online and off-line across Europe, North America, Southeast Asia, the Middle East, East Asia, etc. The company received high praise from strategic partners such as CNPC, THTF, Great Wall, Shenzhen Metro, Mindray Bio-Medical, NORCO, NEC, EET, ASUS, SONY, etc.

KingSpec, as one of the pioneering manufactures in the storage industry has been entitled as "China High-tech Enterprise", "China Little Giant Enterprise", "Shenzhen Well-known Brand" and "Well-known and Excellent Enterprise in Guangdong Province".

Since
2007

2007

Founded in 2007

3000

The Total Area of Production Workshop is 3000 ㎡

6,500,000

Annual Sales Volume 6.5 million

Milestone

2007

1. KingSpec was founded in 2007.
2. Developed and launched the 2.5-inch SSD product line.

2008

1. KingSpec SSD SATA series has passed CE, FCC, and RoHS certifications.
2. Expanded product lines: PCIe, PATA, DOM.
3. Joined SSD Association.

2010

1. The first-generation SSD with cache solution "MOTIVE" passed mass production.
2. Won the Hong Kong PCM Gold Award.
3. Expanded production workshop to 1600 ㎡.

2011

1. Passed ISO 9001:2008 certification and became a mature global SSD manufacturer with most diversified product lines.

2012

1. Established 15 flagship stores in mainland.
2. Participated in 13 major global electronics exhibitions.
3. Established brand representation in the United States, Japan, Germany, and Dubai through agents.

2014

1. KingSpec established industrial grade wide temperature brand: YANSEN.
2. Expanded product applications: Surveillance, Rail Transportation, Industrial Automation.
3. Became strategic partner with AAEON, Mindray Bio-Medical, Great Wall, Lenovo.

2015

1. KingSpec won the "China High-tech Enterprise".
2. 2.5-Inch SATA SSD Model P3 Series won the "Recommended product of the year" by ZO -science and technology association.
3. 2016 ZhongGuanCun Annual Recommended Products.

2016

1. Launched the portable SSDs product line, developed high speed Type-C USB3.1 portable SSD line.
2. Jointly held China Sales Conference with Asus, Lenovo.
3. Upgraded "Dragon" as KingSpec new brand image.

2018

1. KingSpec successfully held the Southwest SSDs R&D Conference in Chengdu, China.
2. KingSpec hosted technical seminar in East China.
3. KingSpec has launched high-speed PCIe NVMe protocol external storage solution.

2019

1. Developed 4TB high capacity for Surveillance and Server Industries.
2. Expanded the production workshop to 3000㎡.
3. Awarded member of Information Technology Application Innovation (ITAI), focusing on electronics localization controllable.

2020

1. Released M.2 NVMe PCIe Gen 4x4 SSD.
2. Awarded as a director of Shenzhen Semiconductor Industry Association.
3. Awarded Vice President of Shenzhen Storage Devices Industry Association.

2021

1. Awarded the top 10 AliExpress Famous Global Selling Brand.
2. Awarded Alibaba SKA Industry Leading Seller.
3. Gained Lazada No.1 selling in cross-border storage category.
4. Won the "China Little Giant Enterprise".
5. Awarded Shenzhen Longhua District Top 100 Enterprises.
6. Awarded Shenzhen Well-known Brand.

2022

1. Won the title of director unit of Shenzhen Auto Electronics Industry Association.
2. Established a joint-research partnership with South China University of Technology. Collaboration Project: Developing storage solutions for edge computing in intelligent vehicles.

2023

Keep moving......

Core Competencies

Research & Development (R&D) Team

KingSpec's R&D team (includes software and hardware R&D) has more than 20 professionals . We provide different design solutions based on industry applications and environmental requirements, such as encryption, physical destruction, power loss protection, custom-printed circuit boards, etc.

Production Integration

KingSpec utilizes fully automatic high-speed production and testing equipment combined with ISO9001 standard to ensure production efficiency. KingSpec products are all under Automatic Optical Inspection (AOI) and High/Low temperature industrial environment simulation tests to ensure product quality.

Customized Service

In addition to functional customization, KingSpec offers testing, solution, and outlook customization services. We provide safe, reliable, and suitable products to customers.

Quality Management

To guarantee product quality, KingSpec has issued a strict quality management system, from R&D design verification test (DVT), engineering verification test (EVT) till mass production (100% of core material passed internal quality control), and production tracking to verify the products and packaging.

2.5" SSD

Model	P3-XXX
Interface	2.5" SATA
Dimension	100 X 70 X 7mm
Transmission Protocol	SATA III
Capacity	128GB/256GB/512GB/1TB/2TB/4TB
Performance	Up to 580/570MB/s
Access Time	0.07ms
Operating Temp.	0℃~+70℃
Input Voltage	5V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

Model	P4-XXX
Interface	2.5" SATA
Dimension	100 X 70 X 7mm
Transmission Protocol	SATA III
Capacity	120GB/240GB/480GB/960GB/1.92TB/3.84TB
Performance	Up to 570/520MB/s
Access Time	0.07ms
Operating Temp.	0℃~+70℃
Input Voltage	5V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

mSATA SSD
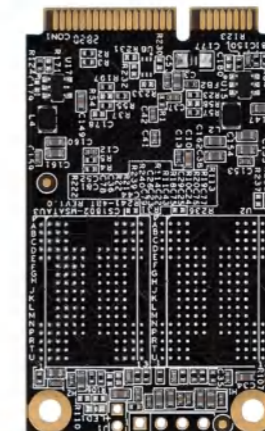
Model	MT-XXX
Interface	mSATA
Dimension	50 X 30 X 3.5mm
Transmission Protocol	SATA III
Capacity	64GB/128GB/256GB/512GB/1TB/2TB
Performance	Up to 550/500MB/s
Access Time	0.03ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	−20℃~+75℃
Warranty	3 Years

M.2 SATA SSD

Model	NT-XXX 2280
Interface	M.2 SATA 2280
Dimension	80 X 22 X 2.1mm
Transmission Protocol	SATA III
Capacity	64GB/128GB/256GB/512GB/1TB/2TB
Performance	Up to 550/500MB/s
Access Time	0.06ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

Model	NT-XXX 2242
Interface	M.2 SATA 2242
Dimension	42 X 22 X 3.5mm
Transmission Protocol	SATA III
Capacity	64GB/128GB/256GB/512GB/1TB/2TB
Performance	Up to 550/500MB/s
Access Time	0.033ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

M.2 NVMe SSD

Model	NX-XXX 2280
Interface	M.2 NVMe 2280
Dimension	80 X 22 X 2.1mm
Transmission Protocol	PCle Gen 3×4, NVMe 1.3
Capacity	128GB/256GB/512GB/1TB/2TB
Performance	Up to 3400/3100MB/s
Access Time	0.023ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

Model	NE-XXX 2280
Interface	M.2 NVMe 2280
Dimension	80 X 22 X 2.1mm
Transmission Protocol	PCle Gen 3×4, NVMe 1.3
Capacity	128GB/256GB/512GB/1TB
Performance	Up to 2400/2200MB/s
Access Time	0.034ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

M.2 NVMe SSD
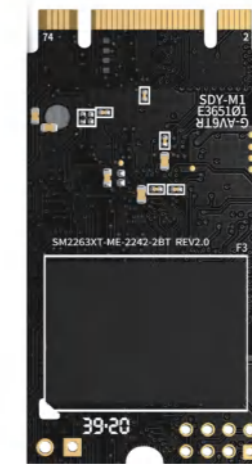
Model	NXM-XXX 2242
Interface	M.2 NVMe 2242
Dimension	42 X 22 X 3.5mm
Transmission Protocol	PCIe Gen3 x4, NVMe 1.3
Capacity	128GB/256GB/512GB/1TB
Performance	Up to 3500/3000MB/s
Access Time	0.023ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

Model	NE-XXX 2242
Interface	M.2 NVMe 2242
Dimension	42 X 22 X 3.2mm
Transmission Protocol	PCIe Gen3x2, NVMe 1.3
Capacity	64GB/128GB/256GB/512GB/1TB
Performance	Up to 1200/1000MB/s
Access Time	0.083ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

M.2 NVMe SSD

Model	NX-XXX 2230
Interface	M.2 NVMe 2230
Dimension	30 X 22 X 2.1mm
Transmission Protocol	PCIe Gen3 x4, NVMe 1.3
Capacity	256GB/512GB/1TB
Performance	Up to 3500/2500MB/s
Access Time	0.03ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

Model	XF-XXX 2280
Interface	M.2 NVMe 2280
Dimension	80 X 22 X 2.1mm
Transmission Protocol	PCIe Gen 4×4, NVMe 1.4
Capacity	256GB/512GB/1TB/2TB/4TB
Performance	Up to 4800/4500MB/s
Access Time	0.012ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-40℃~+85℃
Warranty	3 Years

M.2 NVMe SSD

Model	XG7000-XXX
Interface	M.2 NVMe
Dimension	80 X 22 X 2.1mm
Transmission Protocol	PCle Gen 4×4, NVMe 1.4
Capacity	512GB/1TB/2TB
Performance	Up to 7400/6600MB/s
Access Time	0.05ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20 ~ +75℃
Warranty	3 Years

Model	XG7000 PRO-XXX
Interface	M.2 NVMe
Dimension	80 X 25 X 14mm
Transmission Protocol	PCle Gen 4×4, NVMe 1.4
Capacity	512GB/1TB/2TB/4TB
Performance	Up to 7400/6500MB/s
Access Time	0.021ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20 ~ +75℃
Warranty	3 Years

M.2 NVMe SSD for Mac

Model	NA900S-XXX
Interface	M.2 NVMe
Dimension	89.2 X 24 X 2.1mm
Transmission Protocol	PCIe Gen3 x 4, NVMe 1.3
Capacity	256GB/512GB/1TB/2TB
Performance	Up to 3500/3200MB/s
Access Time	0.036ms
Operating Temp.	0℃~+70℃
Input Voltage	3.3V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

DDR3 RAM

DDR4 RAM
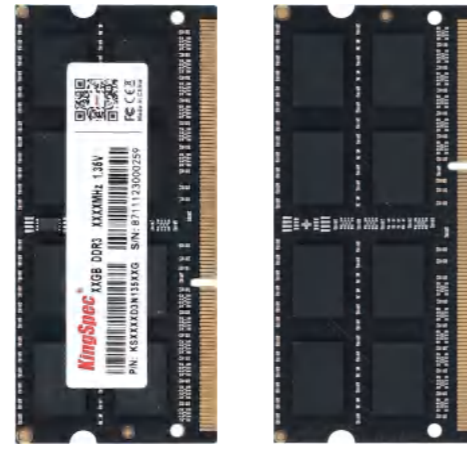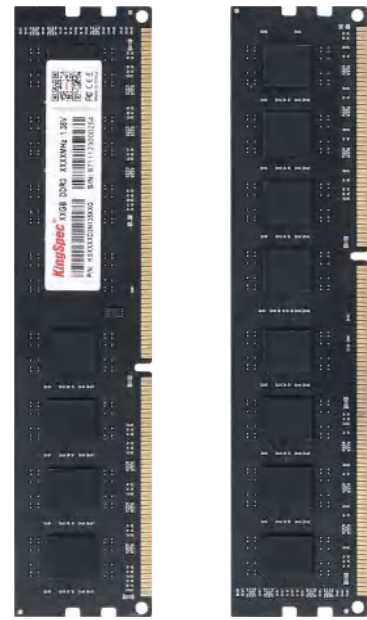
Model	DDR3 DIMM
Application	Desktop
Interface	240pin
Capacity	4GB/8GB/16GB
Frequency	1333MHz/1600MHz
Input Voltage	1.35V/1.5V
Operating Temp.	0℃~+70℃
Warranty	3 Years

Model	DDR3 SO-DIMM
Application	Laptop
Interface	204pin
Capacity	4GB/8GB/16GB
Frequency	1333MHz/1600MHz
Input Voltage	1.35V/1.5V
Operating Temp.	0℃~+70℃
Warranty	3 Years

Model	DDR4 DIMM
Application	Desktop
Interface	288pin
Capacity	4GB/8GB/16GB/32GB
Frequency	2666/3200/3600MHz
Input Voltage	1.2V/1.35V
Operating Temp.	0℃~+70℃
Warranty	3 Years

Model	DDR4 SO-DIMM
Application	Laptop
Interface	260pin
Capacity	4GB/8GB/16GB/32GB
Frequency	2666/3200MHz
Input Voltage	1.2V
Operating Temp.	0℃~+70℃
Warranty	3 Years

DDR4

DDR5

Model	DDR4 Heatsink
Application	Desktop
Capacity	8GB/16GB/32GB
Frequency	2666/3200/3600MHz
Input Voltage	1.2V/1.35V
Operating Temp.	0℃~+85℃
Storage Temp.	-20℃~+100℃
Warranty	3 Years

Model	DDR4 RGB
Application	Desktop
Capacity	8GB/16GB/32GB
Frequency	2666/3200/3600MHz
Input Voltage	1.2V/1.35V
Operating Temp.	0℃~+85℃
Storage Temp.	-20℃~+100℃
Warranty	3 Years

Model	DDR5
Application	Desktop
Capacity	16GB/32GB
Frequency	4800/5200MHz
VDD/VDDQ/VPP	1.1V/1.1V/1.8V
Operating Temp.	0℃~+85℃
Storage Temp.	-20℃~+100℃
Warranty	Lifetime

Model	DDR5 Heatsink
Application	Desktop
Capacity	16GB/32GB
Frequency	4800/5200MHz
VDD/VDDQ/VPP	1.1V/1.1V/1.8V
Operating Temp.	0℃~+85℃
Storage Temp.	-20℃~+100℃
Warranty	Lifetime

Portable SSD

Model	Z3
Interface	Type C
Dimension	81 x 41.7 x 8.7mm
Transmission Protocol	USB 3.1 Gen 1
Capacity	120GB/240GB/480GB/960GB
Performance	Up to 450/400MB/s
Operating Temp.	0℃~+70℃
Input Voltage	5V±5%
Storage Temp.	-20℃~+75℃
Warranty	3 Years

Memory Card

Model	CFast Memory Card
Application	Camera、Video Camera、UAV
Interface	CFast 2.0, SATA III, VPG-130
Capacity	256GB/512GB/1TB
Access Time	0.04ms
Input Voltage	3.3V±5%
Operating Temp.	0℃~+70℃
Storage Temp.	-20℃~+85℃
Warranty	Lifetime

Model	CF Memory Card
Application	Camera、Video Camera
Interface	CF,ATA/ATAPI-8
Capacity	32GB/64GB/128GB/256GB
Access Time	3.1ms
Input Voltage	3.3V±5%
Operating Temp.	0℃~+70℃
Storage Temp.	-20℃~+75℃
Warranty	Lifetime

Model	CFexpress Type B Memory Card
Application	Camera、Video Camera、UAV
Interface	CFexpress, PCIe Gen 3 x 2
Capacity	128GB/256GB/512GB/1TB
Access Time	0.034ms
Input Voltage	3.0V-3.6V
Operating Temp.	0℃~+70℃
Storage Temp.	-20℃~+85℃
Warranty	Lifetime

External Accessory Mac RGB Enclosure

Model	KSEC10AM2B
Interface	USB Type C,USB3.1 Gen2
Accessory	Compatible with 12+16 pin Apple Original Mac SSD
Capacity	Compatible with 128GB-2TB MacBook SSD
Dimension	106.8 X 44.8 X 20.2mm
Transmission Speed	10Gbps
Operating Temp.	10-50℃
Compatible Devices	Smartphone (OTG function), Tablet, Computer, Gaming Console PS5

External Accessory
5-in-1 Hub Enclosure

External Accessory
NVMe Enclosure

Model	KSEC10DM2B-H
Interface	USB Type C,USB3.1 Gen2
Accessory	M.2 NVME M KEY&B+M KEY (PCIe Protocol)SSD、M.2 NGFF B+M KEY (SATA Protocol)SSD
Capacity	Compatible with128GB-2TB SSD
Dimension	111 X 39.5 X 15mm
Transmission Speed	10Gbps
Operating Temp.	10-50℃
Compatible Devices	Smartphone (OTG function), Tablet, Computer, Gaming Console PS5

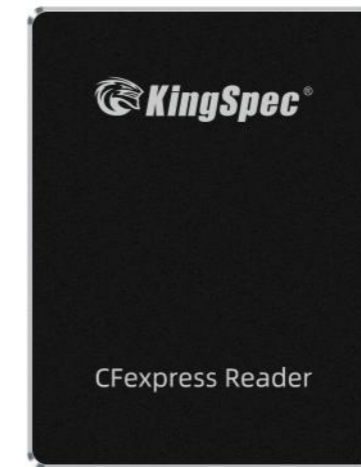| Model	KSEC10PM2G
Interface	USB Type C,USB3.1 Gen2
Accessory	M.2 NVME M KEY&B+M KEY (PCIe Protocol)SSD
Capacity	Compatible with128GB-2TB SSD
Dimension	105 X 40 X 12mm
Transmission Speed	10Gbps
Operating Temp.	10-50℃
Compatible Devices	Smartphone (OTG function), Tablet, Computer, Gaming Console PS5

External Accessory 2.5" SATA Enclosure

Model	KSEM05S25T
Interface	Micro USB, USB3.1 Gen1
Accessory	SATA 2.5"
Capacity	Compatible with128GB-2TB SSD
Dimension	123 X 80 X 15mm
Transmission Speed	5Gbps
Operating Temp.	10-50℃
Compatible Devices	Smartphone (OTG function), Tablet, Computer, Gaming Console PS5

External Accessory Card Reader

Model	KSEC10PCBB
Interface	USB Type C,USB3.1 Gen2
Accessory	CFexpress TypeB
Capacity	Support Capacity up to 2TB
Dimension	65.35 X 50 X 9.5mm
Transmission Speed	10Gbps
Operating Temp.	10-50℃
Compatible Devices	Smartphone (OTG function), Tablet, Computer, Gaming Console PS5

The **1** st Chinese manufacturer to join the SSD Association; Covered industry-grade, wide-temperature grade, and customer-grade products; Over **70** different types of SSDs with various specifications

Meets the storage requirements of **7** major application fields, awarded over **100** patents; buyers and agents located in over **50** countries and regions worldwide

Industry Applications:

Industrial Automation | Server | Transportation | Surveillance | Financing | AIoT/IoT | Medical