

PRODUCT CATALOGUE

ABOUT US



ADVANTEC INNOVATION TECHNOLOGY CO., LTD.

AITC Group established in 2014, headquartered in Taoyuan, Taiwan.

Deeply involved in the memory ram and storage industry for more than 10 years and insists on independent technological innovation. Our products have passed many international quality certifications: CE, FCC, ROHS, BSMI, KCC, VCCI, and have sold in more than 50 countries and regions.

We have cooperation with the global semiconductor industry supply chain in South Korea, the United States, and China many years. We fully grasp the supply resources of DRAM and FLASH products.

To provide the best quality and lay the foundation for the global development of the market, AITC has two brands: **AITC Industry** and **KINGSMAN GAMING**.

We also have business groups such as OEM, ODM, and IC trading for different market positioning. We have various memory storage and computer peripherals to meet the diverse needs worldwide.



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Solid State Drives



KP800
SSD M.2 PCIe Gen 4x4

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSKP800M1TB228	1TB	M.2 2280	PCIe Gen4×4 NVMe 1.4 (M Key)	DC 3.3V±5%	700TB
KSKP800M2TB228	2TB				1400TB
KSKP800M4TB228	4TB				2800TB
Sequential Read	Sequential Write	MTBF	Warranty	PS5 Compatibility	
7500MB/s (MAX.)	6500MB/s (MAX.)	> 1,000,000 Hrs	5 Years	Yes	



KE680
SSD M.2 PCIe Gen 4x4

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSKE680M512228	512GB	M.2 2280	PCIe Gen4×4 NVMe 2.0 (M Key)	DC 3.3V±5%	350TB
KSKE680M1TB228	1TB				700TB
KSKE680M2TB228	2TB				1400TB
KSKE680M4TB228	4TB				2800TB
Sequential Read	Sequential Write	MTBF	Warranty	PS5 Compatibility	
7400MB/s (MAX.)	6600MB/s (MAX.)	> 1,500,000 Hrs	5 Years	Yes	



KM600 **ULTRA**
SSD M.2 PCIe Gen 3x4

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSKM600UM128228	128GB	M.2 2280	PCIe Gen3x4 NVMe 1.4 (M Key)	DC 3.3V±5%	75TB
KSKM600UM256228	256GB				150TB
KSKM600UM512228	512GB				300TB
KSKM600UM1TB228	1TB				700TB
KSKM600UM2TB228	2TB				1400TB
Sequential Read	Sequential Write	MTBF		Warranty	
3300MB/s (MAX.)	3000MB/s (MAX.)	> 1,000,000 Hrs		5 Years	



FM250
SSD M.2 SATAIII 6GB/s

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSFM250M128228	128GB	M.2 2280	SATAIII (B+M Key)	DC 3.3V±5%	75TB
KSFM250M256228	256GB				150TB
KSFM250M512228	512GB				300TB
KSFM250M1TB228	1TB				700TB
Sequential Read	Sequential Write	MTBF		Warranty	
560MB/s (MAX.)	500MB/s (MAX.)	> 2,000,000 Hrs		5 Years	

macOS
10.13 & later

TLC



FA700
SSD M.2 PCIe Gen 3x4

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSFA700M256Mac	256GB	M.2 2280	PCIe Gen3x4 NVMe 1.3 (macOS)	DC 3.3V±5%	150TB
KSFA700M512Mac	512GB				300TB
KSFA700M1TBMac	1TB				700TB
Sequential Read	Sequential Write	MTBF	Warranty	Compatibility	
2500MB/s (MAX.)	1800MB/s (MAX.)	> 1,000,000 Hrs	5 Years	macOS 10.13 or later	



SK350
SSD 2.5" SATAIII 6GB/s

QLC

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSSK350S256250	256GB	2.5 inch	SATAIII 6Gbps	DC 5V±10%	150TB
KSSK350S512250	512GB				300TB
KSSK350S1TB250	1TB				700TB
KSSK350S2TB250	2TB				1400TB
KSSK350S4TB250	4TB				2800TB
Sequential Read	Sequential Write	MTBF	Warranty		
560MB/s (MAX.)	520MB/s (MAX.)	> 1,000,000 Hrs	5 Years		

RGB & Gaming Ram



DDR5
VERTEX RGB

P/N	Capacity		Form Factor	Frequency	Voltage	CAS Latency
KSD516G64C34VTR	16GB	16GB × 2	DDR5 Udimm	6400MHz	1.4V (Overclocked)	CL34
KSD516G68C34VTR				6800MHz		
KSD516G72C34VTR				7200MHz		
Overclock Compatibility	Intel® XMP & AMD EXPO™			Warranty		5 Years



DDR4
KINGSMAN RGB

P/N	Capacity		Form Factor	Frequency	Voltage	CAS Latency
KSD4832C16KMR	8GB	8GB×2	DDR4 Udimm	3200MHz	1.2V 1.35V (XMP)	CL16
KSD41632C16KMR	16GB	16GB×2				
KSD43232C16KMR	32GB	32GB×2				
KSD4836C18KMR	8GB	8GB×2		3600MHz	1.2V 1.35V (XMP)	CL18
KSD41636C18KMR	16GB	16GB×2				
KSD43236C18KMR	32GB	32GB×2				
Overclock Compatibility	Intel® XMP			Warranty		5 Years



DDR4
RAPIDEZ RGB

P/N	Capacity		Form Factor	Frequency	Voltage	CAS Latency
KSD4832C16RDZ	8GB	8GB×2	DDR4 Udimm	3200MHz	1.2V 1.35V (XMP)	CL16
KSD41632C16RDZ	16GB	16GB×2				
KSD43232C16RDZ	32GB	32GB×2				
KSD4836C18RDZ	8GB	8GB×2		3600MHz	1.2V 1.35V (XMP)	CL18
KSD41636C18RDZ	16GB	16GB×2				
KSD43236C18RDZ	32GB	32GB×2				
Overclock Compatibility	Intel® XMP			Warranty		5 Years



DDR5
MASTER



P/N	Capacity		Form Factor	Frequency	Voltage	CAS Latency
KSD516G56C46MST	16GB	16GB×2	DDR5 Udimm	5600MHz	1.1V 1.4V (Overclocked)	CL46
KSD532G56C46MST	32GB	32GB×2		6000MHz		CL42
KSD516G60C42MST	16GB	16GB×2		6400MHz	1.4V (Overclocked)	CL34
KSD532G60C42MST	32GB	32GB×2				
KSD516G64C34MST	16GB	16GB×2		6800MHz		
KSD532G64C34MST	32GB	32GB×2				
KSD516G68C34MST	16GB	16GB×2				
KSD532G68C34MST	32GB	32GB×2				
Overclock Compatibility	Intel® XMP & AMD EXPO™			Warranty		Lifetime



DDR4
KINGSMAN

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD48G32C22KSM	8GB	DDR4 Udimm	3200MHz	1.2V 1.35V (XMP)	CL22 / CL16
KSD416G32C22KSM	16GB				
KSD432G32C22KSM	32GB				
Overclock Compatibility	Intel® XMP		Warranty		Lifetime



DDR3
KINGSMAN

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD34G16C11KSM	4GB	DDR3 Udimm	1600MHz	1.5V	CL11
KSD38G16C11KSM	8GB				
Warranty			Lifetime		



DDR3
Value Gaming

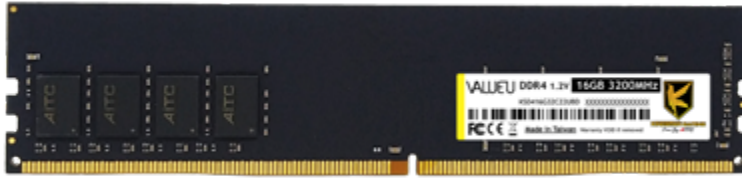
P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD34G16C11VGM	4GB	DDR3 Udimm	1600MHz	1.5V	CL11
KSD38G16C11VGM	8GB				
Warranty			Lifetime		

Desktop
Laptop Ram

VALUEEV DDR5



P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD516G48C40UBD	16GB	DDR5 Udimm	4800MHz	1.1V	CL40
KSD532G48C40UBD	32GB				
KSD516G52C40UBD	16GB		5200MHz	1.4V (Overclocked)	
KSD532G52C40UBD	32GB				
KSD516G56C40UBD	16GB		5600MHz		
KSD532G56C40UBD	32GB				
Overclock Compatibility	Intel® XMP & AMD EXPO™		Warranty		Lifetime



DDR4
VALUEU

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency		
KSD48G26C19UBD	8GB	DDR4 Udimm	2666MHz	1.2V	CL19		
KSD416G26C19UBD	16GB						
KSD432G26C19UBD	32GB						
KSD48G32C22UBD	8GB		3200MHz		CL22		
KSD416G32C22UBD	16GB						
KSD432G32C22UBD	32GB						
Overclock Compatibility		Intel® XMP		Warranty		Lifetime	



DDR3
VALUEU



P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD34G16C11UBD	4GB	DDR3 Udimm	1600MHz	1.5V	CL11
KSD38G16C11UBD	8GB				
Warranty			Lifetime		



DDR4 VALUES

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD48G26C19SOD	8GB	DDR4 Sodimm	2666MHz	1.2V	CL19
KSD416G26C19SOD	16GB				
KSD432G26C19SOD	32GB				
KSD48G32C22SOD	8GB		3200MHz		CL22
KSD416G32C22SOD	16GB				
KSD432G32C22SOD	32GB				
Overclock Compatibility		Intel® XMP	Warranty		Lifetime



DDR3 VALUES

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD34G16C11SOD	4GB	DDR3 Sodimm	1600MHz	1.5V	CL11
KSD38G16C11SOD	8GB				
KSD34G16C11SDL	4GB	DDR3L Sodimm		1.35V	
KSD38G16C11SDL	8GB				
Warranty			Lifetime		

Gaming Peripherals



AIO Water Cooling KA-R240

Model	KA-R240		Bearing Type	Hydraulic
CPU Socket Compatibility	Intel	LGA2011/2011-V3, 1366, 1150, 1151, 1155, 1156, 1200, 775, 1700		
	AMD	FM1, FM2, FM2+, AM2, AM3, AM3+, AM4, AM5		
Dimensions	Radiator	277×120×27mm	Fan Air Flow	62.82CFM
	Pump	OD72×54.5mm	Blade Qty	7
	Fan (1 Pcs)	120×120×25mm	Noise Lv	34.2dB
Rated Voltage	DC 12V			
Rated Current	Fan	0.35A (MAX.)	Pump	0.45A (MAX.)
Rated Power		4.20W		5.40W
Speed		800-2000±10%RPM		2300±10%RPM
Connector		4 Pin		3 Pin



LuCid

Gaming Case



Model	LuCid		M/B Support	Micro ATX, ITX
Material	SPCC Steel plate + Tempered glass		PCI Slots	4
Fan Support	M/B Plate	120mm × 2	Compatible with AIO CPU cooler. ※ DO NOT install two AIO CPU coolers concurrently.	
	Top	120mm × 2		
	Rear	120mm × 1		
Included Fan	M/B Plate	120mm(ARGB) × 2		
	Rear	120mm(ARGB) × 1		
I/O Ports	Top Audio, USB3.0 × 1, USB2.0 × 1, USB Type-C × 1			
Hard Disk Space	HDD × 2 (Compatible with SSD × 1), SSD × 2			
GPU Clearance	320mm		CPU Clearance	160mm
PSU Support	ATX, PS/2 (Clearance 160mm)			



CuBic Gaming Case



Model	CuBic		M/B Support	Micro ATX
Material	SPCC Steel plate + Tempered glass		PCI Slots	4
Fan Support	Front	120mm × 3	Compatible with AIO CPU cooler. ※ DO NOT install two AIO CPU coolers concurrently.	
	Top	120 or 140mm × 2		
	Rear	120mm × 1		
	Top of PSU room	120mm × 2		
Included Fan	Front	120mm(ARGB) × 3	With controller.	
	Rear	120mm(ARGB) × 1		
I/O Ports	Top Audio, USB3.0 × 1, USB2.0 × 2			
Hard Disk Space	HDD × 2 (Compatible with SSD × 1), SSD × 1			
GPU Clearance	300mm		CPU Clearance	160mm
PSU Support	ATX PSU (Max. Height 160mm) / Case Bottom			



AITC[®] Industry

KT630

SSD M.2 PCIe Gen 3×4



P/N	Capacity	Form Factor	Interface	Voltage	TBW
AIKT630M128228	128GB	M.2 2280	PCIe Gen3×4 NVMe 1.4 (M Key)	DC 3.3V±5%	85TB
AIKT630M256228	256GB				170TB
AIKT630M512228	512GB				340TB
AIKT630M1TB228	1TB				680TB
AIKT630M2TB228	2TB				1360TB
Sequential Read	Sequential Write	MTBF		Warranty	
3300MB/s (MAX.)	3000MB/s (MAX.)	> 1,000,000 Hrs		3 Years	

FK255

SSD M.2 SATAIII 6GB/s

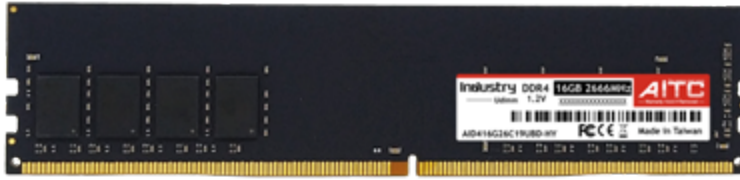


P/N	Capacity	Form Factor	Interface	Voltage	TBW
AIFK255M064224 / 228	64GB	M.2 2242 / 2280	SATAIII (B+M Key)	DC 3.3V±5%	60TB
AIFK255M128224 / 228	128GB				120TB
AIFK255M256224 / 228	256GB				240TB
AIFK255M512224 / 228	512GB				420TB
AIFK255M1TB224 / 228	1TB				780TB
Sequential Read	Sequential Write	MTBF		Warranty	
560MB/s (MAX.)	500MB/s (MAX.)	> 2,000,000 Hrs		3 Years	



SA190
SSD 2.5" SATA III 6GB/s

P/N	Capacity	Form Factor	Interface	Voltage	TBW
AISA190S256250	128GB	2.5 inch	SATA III 6Gbps	DC 5V±10%	75TB
AISA190S512250	256GB				150TB
AISA190S1TB250	512GB				300TB
AISA190S2TB250	1TB				700TB
Sequential Read	Sequential Write	MTBF	Warranty		
560MB/s (MAX.)	520MB/s (MAX.)	> 1,000,000 Hrs	3 Years		



DDR4 Industry Udimm

P/N	Capacity	Form Factor	Frequency	Voltage	IC	CAS Latency
AID44G21C15UBD-XXX	4GB	DDR4 Udimm	2133MHz	1.2V	SK hynix Samsung	CL15
AID48G21C15UBD-XXX	8GB					
AID416G21C15UBD-XXX	16GB					
AID44G26C19UBD-XXX	4GB		2666MHz			CL19
AID48G26C19UBD-XXX	8GB					
AID416G26C19UBD-XXX	16GB					
AID432G26C19UBD-XXX	32GB					
Warranty			3 Years			



DDR3 Industry Udimm

P/N	Capacity	Form Factor	Frequency	Voltage	IC	CAS Latency
AID34G13C09UBD-XXX	4GB	DDR3 Udimm	1333MHz	1.5V	SK hynix Samsung	CL9
AID38G13C09UBD-XXX	8GB					
AID34G16C11UBD-XXX	4GB		1600MHz			CL11
AID38G16C11UBD-XXX	8GB					
Warranty			3 Years			



DDR4 Industry Sodimm

P/N	Capacity	Form Factor	Frequency	Voltage	IC	CAS Latency
AID44G21C15S1R-XXX	4GB	DDR4 Sodimm (1 Rank)	2133MHz	1.2V	SK hynix Samsung	CL15
AID48G21C15S1R-XXX	8GB					CL17
AID44G24C17S1R-XXX	4GB					CL19
AID48G24C17S1R-XXX	8GB					CL22
AID44G26C19S1R-XXX	4GB					
AID48G26C19S1R-XXX	8GB					
AID416G26C19S1R-XXX	16GB					
AID48G32C22S1R-XXX	8GB					
AID416G32C22S1R-XXX	16GB	DDR4 Sodimm (2 Rank)	2133MHz	1.2V	SK hynix Samsung	CL15
AID48G21C15S2R-XXX	8GB					CL17
AID416G21C15S2R-XXX	16GB					CL19
AID48G24C17S2R-XXX	8GB					CL22
AID416G24C17S2R-XXX	16GB					
AID48G26C19S2R-XXX	8GB					
AID416G26C19S2R-XXX	16GB					
AID432G26C19S2R-XXX	32GB					
AID48G32C22S2R-XXX	8GB		3200MHz		CL22	
AID416G32C22S2R-XXX	16GB					
AID432G32C22S2R-XXX	32GB					
Warranty			3 Years			



DDR3 Industry Sodimm

P/N	Capacity	Form Factor	Frequency	Voltage	IC	CAS Latency
AID34G13C09SOD-XXX	4GB	DDR3 Sodimm	1333MHz	1.5V	SK hynix Samsung	CL9
AID38G13C09SOD-XXX	8GB		1600MHz			CL11
AID34G16C11SOD-XXX	4GB			1333MHz		1.35V
AID38G16C11SOD-XXX	8GB		1600MHz			
AID34G13C09SDL-XXX	4GB	DDR3L Sodimm		1333MHz	1.35V	SK hynix Samsung
AID38G13C09SDL-XXX	8GB		1600MHz	CL11		
AID34G16C11SDL-XXX	4GB				1600MHz	
AID38G16C11SDL-XXX	8GB		CL11			
Warranty				3 Years		

WARRANTY INFO

For warranty (RMA), please follow the conditions below:

1. Products purchased from agents, distributors, or retailers authorized by AITC headquarters.
2. Non-artificial damage, material defects, or malfunctions.
3. Products with complete and correct serial numbers.
4. AITC Group have the right to provide product replacement or repair services.
5. Using SSD products for Crypto mining will VOID the warranty.

Product EDM

<https://www.aitc-tw.com/sudl/dl-pp/>



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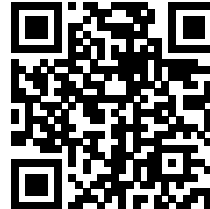
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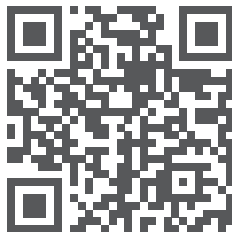
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