

# PRODUCT CATALOGUE

# ABOUT US



## ADVANTEC INNOVATION TECHNOLOGY CO., LTD.

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

We uphold professionalism, innovation, and quality as the foundation for sustainable management of our services.

We have been actively engaged in the memory RAM and storage industry for over a decade, prioritizing independent technological innovation. Our product range includes memory modules, SSDs, and computer peripherals, all of which have obtained numerous international quality certifications, including CE, FCC, ROHS, BSMI, KCC, and VCCI.

Our products have successfully reached more than 50 countries and regions worldwide. We cultivated strong partnerships with the global semiconductor industry supply chain, collaborating with key players in South Korea, the United States, and China for several years.

We have a thorough grasp of the supply resources for DRAM and FLASH products, ensuring the highest quality assurance standards for our independent production.

To further fortify our global market presence, AITC has developed two proprietary brands, **AITC Industry** and **KINGSMAN GAMING**.

We operate various business groups, including OEM, ODM, and IC trading, catering to diverse market positions. Our extensive product range encompasses memory storage and computer peripherals, meeting the diverse needs of countries worldwide.



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**KINGSMAN GAMING** Power By **AITC**®



# Solid State Drives



## KP800

SSD M.2 PCIe Gen 4x4

PS5 Compatibility

Built-in DRAM

TLC

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	
7500MB/s (MAX.)	6500MB/s (MAX.)	> 1,000,000 Hrs		5 Years	



## KE680

SSD M.2 PCIe Gen 4x4

PS5 Compatibility

TLC

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



# MP530

SSD M.2 PCIe Gen 3x4

Steam Deck Compatibility **TLC**

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSMQ530M512223	512GB	M.2 2230	PCIe Gen3x4 NVMe 1.4 (M Key)	DC 3.3V±5%	300TB
KSMQ530M1TB223	1TB				700TB
KSMQ530M2TB223	2TB				1400TB
Sequential Read	Sequential Write	MTBF	Warranty		
3400MB/s (MAX.)	3000MB/s (MAX.)	> 1,000,000 Hrs	5 Years		



# MQ540

SSD M.2 PCIe Gen 3x4

**TLC**

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSMQ540M512224	512GB	M.2 2242	PCIe Gen3x4 NVMe 1.3 (M Key)	DC 3.3V±5%	300TB
KSMQ540M1TB224	1TB				700TB
KSMQ540M2TB224	2TB				1400TB
Sequential Read	Sequential Write	MTBF	Warranty		
2500MB/s (MAX.)	1800MB/s (MAX.)	> 2,000,000 Hrs	5 Years		



# KM600 ULTRA

SSD M.2 PCIe Gen 3x4

**TLC**

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		





## FA700

SSD M.2 PCIe Gen 3x4

macOS 10.13&amp;later

TLC

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSFA700M256Mac	256GB	M.2 Mac	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	



## FM250

SSD M.2 SATAIII 6GB/s

TLC

P/N	Capacity	Form Factor	Interface	Voltage	TBW
KSFM250M128228	128GB	M.2 2280	SATAIII 6Gbps (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		



## SK350

SSD 2.5" SATAIII 6GB/s

PS4 Compatibility

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
KSD516G60C38VTR	16GB × 2	DDR5 Udimm	6000MT/s	1.4V (Overclocked)	CL38
KSD516G64C34VTR			6400MT/s		CL34
KSD516G68C34VTR			6800MT/s		
KSD516G72C34VTR			7200MT/s		
<b>Overclock</b>	Intel® XMP & AMD EXPO™		<b>Warranty</b>		5 Years



DDR5  
**VERTEX 5** RGB

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD524G68C34VTV	24GB × 2	DDR5 Udimm	6800MT/s	1.4V (Overclocked)	CL34
KSD524G72C36VTV			7200MT/s		CL36
KSD524G80C40VTV			8000MT/s		CL40
<b>Overclock</b>	Intel® XMP & AMD EXPO™		<b>Warranty</b>		5 Years





DDR4  
**KINGSMAN** RGB

P/N	Capacity		Form Factor	Frequency	Voltage	CAS Latency
KSD48G32C16KMR	8GB	8GB×2	DDR4 Udimm	3200MHz	1.2V 1.35V (XMP)	CL16
KSD416G32C16KMR	16GB	16GB×2				
KSD432G32C16KMR	32GB	32GB×2				
KSD48G36C18KMR	8GB	8GB×2		3600MHz	1.2V 1.35V (XMP)	CL18
KSD416G36C18KMR	16GB	16GB×2				
KSD432G36C18KMR	32GB	32GB×2				
<b>Overclock</b>	Intel® XMP		<b>Warranty</b>		5 Years	



DDR4  
**RAPIDEZ** RGB

P/N	Capacity		Form Factor	Frequency	Voltage	CAS Latency
KSD48G32C16RDZ	8GB	8GB×2	DDR4 Udimm	3200MHz	1.2V 1.35V (XMP)	CL16
KSD416G32C16RDZ	16GB	16GB×2				
KSD432G32C16RDZ	32GB	32GB×2				
KSD48G36C18RDZ	8GB	8GB×2		3600MHz	1.2V 1.35V (XMP)	CL18
KSD416G36C18RDZ	16GB	16GB×2				
KSD432G36C18RDZ	32GB	32GB×2				
<b>Overclock</b>	Intel® XMP		<b>Warranty</b>		5 Years	



DDR5  
**MASTER**

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD516G60C42MST	16GB × 2	DDR5 Udimm	6000MT/s	1.4V (Overclocked)	CL42
KSD532G60C42MST	32GB × 2		6400MT/s		CL34
KSD516G64C34MST	16GB × 2				
KSD532G64C34MST	32GB × 2				
KSD516G68C34MST	16GB × 2		6800MT/s		CL34
KSD532G68C34MST	32GB × 2				
<b>Overclock</b>	Intel® XMP & AMD EXPO™		<b>Warranty</b>		Lifetime



DDR4  
**INNOVATOR**

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD48G32C22/16INV	8GB	DDR4 Udimm	3200MHz	1.2V 1.35V (XMP)	CL22 / CL16
KSD416G32C22/16INV	16GB				
KSD432G32C22/16INV	32GB				
<b>Overclock</b>	Intel® XMP		<b>Warranty</b>		Lifetime



DDR3  
**KINGSMAN** \*KSM



DDR3  
**Value Gaming** \*VGM

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

# Desktop Laptop Ram



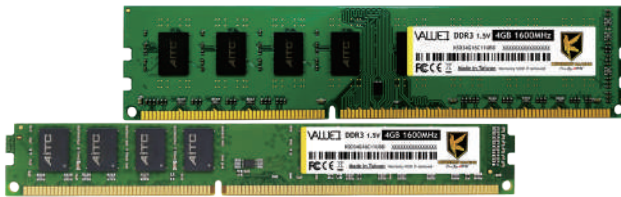
VALUEEV **DDR5**

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD516G48C40UBD	16GB	DDR5 Udimm	4800MT/s	1.1V	CL40
KSD532G48C40UBD	32GB				
KSD516G52C40UBD	16GB		5200MT/s	1.4V (Overclocked)	CL46
KSD532G52C40UBD	32GB				
KSD516G56C46UBD	16GB		5600MT/s		
KSD532G56C46UBD	32GB				
<b>Overclock</b>	Intel® XMP & AMD EXPO™		<b>Warranty</b>		Lifetime



DDR4  
**VALVEI**

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency
KSD48G26C19UBD	8GB	DDR4 Udimm	2666MHz	1.2V 1.35V (XMP)	CL19
KSD416G26C19UBD	16GB				
KSD432G26C19UBD	32GB		3200MHz		CL22 / CL16
KSD48G32C22UBD	8GB				
KSD416G32C22UBD	16GB				
KSD432G32C22UBD	32GB				
<b>Overclock</b>		Intel® XMP		<b>Warranty</b>	
				Lifetime	



DDR3  
**VALVEI**

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



DDR5  
**VALUES**

P/N	Capacity	Form Factor	Frequency	Voltage	CAS Latency	
KSD516G48C40SOD	16GB	DDR5 Sodimm	4800MT/s	1.1V	CL40	
KSD532G48C40SOD	32GB					
KSD516G52C40SOD	16GB		5200MT/s			CL46
KSD532G52C40SOD	32GB					
KSD516G56C46SOD	16GB		5600MT/s		CL46	
KSD532G56C46UBD	32GB					
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				
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 (Low Voltage)		1.35V	
KSD38G16C11SDL	8GB				
Warranty			Lifetime		

# Gaming Peripherals



**Titan** Gaming Case



Model	TiTan		M/B Support	ATX, Micro ATX, ITX
Material	SPCC + Tempered glass		PSU Support	ATX
Dimension	L: 426 × W: 285 × H: 398mm		PCI Slots	7
Fan Support	M/B Plate	120mm × 3 or 140mm × 2	or 240/280mm Water cooler	
	Top	120mm × 3	or 360mm Water cooler	
	Bottom	120mm × 3		
	Rear	120mm × 1	or 120mm Water cooler	
Included Fan	M/B Plate	120mm × 3	ARGB Fans	
	Rear	120mm × 1		
I/O Ports	Type C ( <b>USB 3.1</b> ) + USB 3.0 + USB 1.1 + HD Audio			
Hard Disk Space	HDD × 2, SSD × 2			
GPU Clearance	410mm		CPU Clearance	160mm





elf Gaming Case



Model	elf		M/B Support	Micro ATX, ITX
Material	SPCC + Tempered glass		PSU Support	ATX
Dimension	L: 380×W: 185×H: 335mm		PCI Slots	4
Fan Support	Top	120mm×2	or 240mm Water cooler	
	Bottom	120mm×2	If assembling hard disk , only support 1	
	Rear	120mm×1		
Included Fan	Top	120mm×2	ARGB Fans	
	Rear	120mm×1		
I/O Ports	Type C ( <b>USB3.0</b> ) + USB3.0 + USB1.1 + HD Audio			
Hard Disk Space	HDD×2 (1), SSD×2 (3)			
GPU Clearance	300mm		CPU Clearance	160mm



LuCid Gaming Case



Model	LuCid		M/B Support	Micro ATX, ITX
Material	SPCC Steel plate + Tempered glass		PCI Slots	4
Dimension	L: 339×W: 276×H: 330mm		PSU Support	ATX, PS/2
Fan Support	M/B Plate	120mm×2		
	Top	120mm×2	or 240mm Water cooler	
	Rear	120mm×1	or 120mm Water cooler	
Included Fan	M/B Plate	120mm×2	ARGB Fans	
	Rear	120mm×1		
I/O Ports	Top Audio + USB3.0 + USB2.0 + Type-C			
Hard Disk Space	HDD×2 (1), SSD×2 (3)			
GPU Clearance	320mm		CPU Clearance	160mm



## Cubic Gaming Case



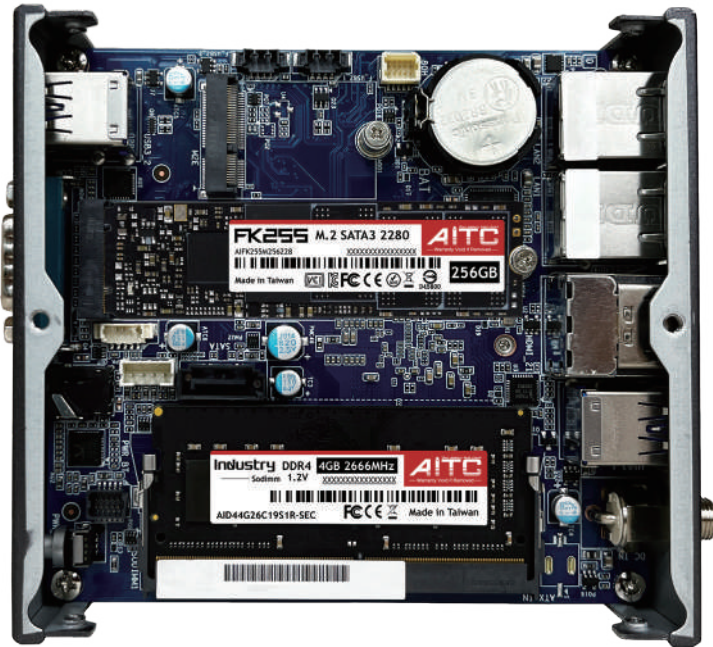
Model	CuBic		M/B Support	Micro ATX, ITX
Material	SPCC Steel plate + Tempered glass		PCI Slots	4
Dimension	L: 365×W: 210×H: 422mm		PSU Support	ATX
Fan Support	Front	120mm × 3	or 240/280mm Water cooler or 120mm Water cooler	
	Top	120 or 140mm × 2		
	Rear	120mm × 1		
	Top of PSU room	120mm × 2		
Included Fan	Front	120mm × 3	ARGB Fans with controller	
	Rear	120mm × 1		
I/O Ports	Top Audio + USB3.0 + USB2.0 × 2			
Hard Disk Space	HDD × 2 (1), SSD × 2 (3)			
GPU Clearance	300mm		CPU Clearance	160mm



## 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



**AITC**® Industry

# SC700

SSD M.2 PCIe Gen 4x4



P/N	Capacity	Form Factor	Interface	Voltage	TBW
AISC700M512228	512GB	M.2 2280	PCIe Gen4×4 NVMe 2.0 (M Key)	DC 3.3V±5%	350TB
AISC700M1TB228	1TB				700TB
AISC700M2TB228	2TB				1400TB
AISC700M4TB228	4TB				2800TB
Sequential Read	Sequential Write	MTBF	Warranty		
7400MB/s (MAX.)	6600MB/s (MAX.)	> 1,500,000 Hrs	3 Years		

# KT630

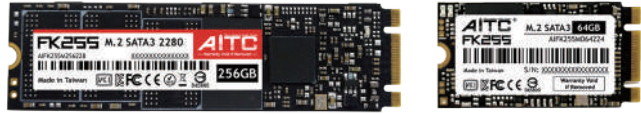
SSD M.2 PCIe Gen 3x4



P/N	Capacity	Form Factor	Interface	Voltage	TBW
AIKT630M128223/228	128GB	M.2 2230 2280	PCIe Gen3×4 NVMe 1.4 (M Key)	DC 3.3V±5%	85TB
AIKT630M256223/228	256GB				170TB
AIKT630M512223/228	512GB				340TB
AIKT630M1TB223/228	1TB				680TB
AIKT630M2TB223/228	2TB				1360TB
Sequential Read	Sequential Write	MTBF	Warranty		
3400MB/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	64GB	M.2 2242 2280	SATAIII 6Gbps (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		

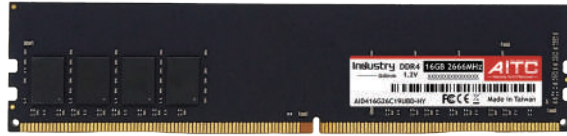
# SA190

SSD 2.5"SATAIII 6GB/s



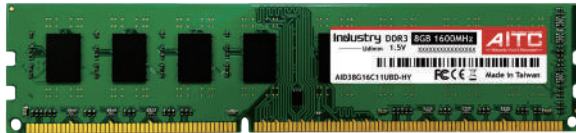
P/N	Capacity	Form Factor	Interface	Voltage	TBW
AISA190S256250	128GB	2.5 inch	SATAIII 6Gbps	DC 5V±10%	75TB
AISA190S512250	256GB				150TB
AISA190S1TB250	512GB				300TB
AISA190S2TB250	1TB				700TB
Sequential Read	Sequential Write	MTBF	Warranty		
560MB/s (MAX.)	520MB/s (MAX.)	> 1,000,000 Hrs	3 Years		

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		2666MHz			CL19
AID44G26C19UBD-XXX	4GB					
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		1600MHz			
AID34G16C11UBD-XXX	4GB					
AID38G16C11UBD-XXX	8GB					
Warranty			3 Years			



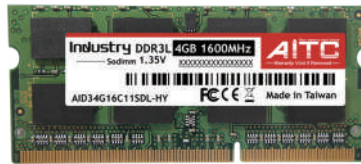
# Industry

DDR4  
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					
AID44G24C17S1R-XXX	4GB		2400MHz			CL17
AID48G24C17S1R-XXX	8GB					
AID44G26C19S1R-XXX	4GB		2666MHz			CL19
AID48G26C19S1R-XXX	8GB					
AID416G26C19S1R-XXX	16GB		3200MHz			CL22
AID48G32C22S1R-XXX	8GB					
AID416G32C22S1R-XXX	16GB	DDR4 Sodimm (2 Rank)	2133MHz	1.2V	SK hynix Samsung	CL15
AID48G21C15S2R-XXX	8GB					
AID416G21C15S2R-XXX	16GB		2400MHz			CL17
AID48G24C17S2R-XXX	8GB					
AID416G24C17S2R-XXX	16GB		2666MHz			CL19
AID48G26C19S2R-XXX	8GB					
AID416G26C19S2R-XXX	16GB		3200MHz			CL22
AID432G26C19S2R-XXX	32GB					
AID48G32C22S2R-XXX	8GB	3200MHz	CL22			
AID416G32C22S2R-XXX	16GB					
AID432G32C22S2R-XXX	32GB					
<b>Warranty</b>			<b>3 Years</b>			

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			DDR3L Sodimm (Low Voltage)		1333MHz
AID38G16C11SOD-XXX	8GB		1600MHz			CL11
AID34G13C09SDL-XXX	4GB	Warranty	3 Years			
AID38G13C09SDL-XXX	8GB					
AID34G16C11SDL-XXX	4GB					
AID38G16C11SDL-XXX	8GB					

# 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.

# CONTACT US

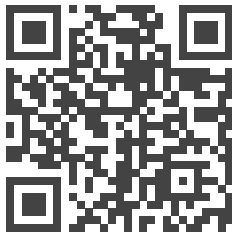
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Taoyuan City, 330007, Taiwan (R.O.C.)

 886-3-3466035     886-3-3466210

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 <https://www.aitc-tw.com/>



 AITC Kingsman Gaming - Global