

Edge Computing

Hardware Platform



Explore More



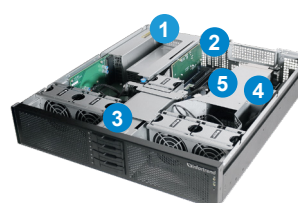
Introduction

The KS 3000U and KS 5000U are high-performance bare-metal hardware platforms designed for edge and enterprise environments. Built on a modular architecture with configurable CPU, GPU, and NVMe SSD options, they give organizations the flexibility to tailor hardware resources to specific performance and deployment requirements. Both platforms provide a robust and adaptable infrastructure foundation for AI inference, real-time analytics, private cloud, and other data-intensive workloads.

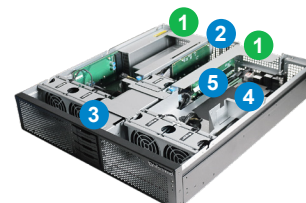
KS 3000U Series

- 1 **KSa 3004UE**: FHHL single- or dual-width GPU slot
- 1 **KSa 3004U**: FHFL dual-width GPU slot
- 2 Network adapter slots
- 3 NVMe SSD slots
- 4 AMD EPYC™ 8004 Series Processor
- 5 DDR5 DIMM slots

KSa 3004UE



KSa 3004U

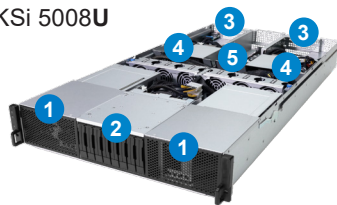


PHYSICAL SPECIFICATIONS

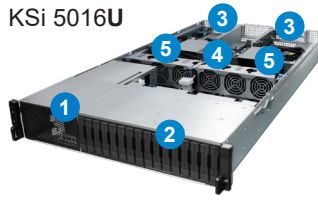
Product Series		KS 3000U	
Model		KSa 3004UE	KSa 3004U
Form Factor		2U 4-bay	2U 4-bay
Mounting Options		Desktop / Rackmount	Desktop / Rackmount
Processor		Single AMD EPYC™ 8004 Series Processors	
Processor Core Available		16 to 24 cores	16 to 64 cores
Cache Memory		6 x DDR5 DIMM slots - Default 128GB, up to 576GB DDR5 RDIMM	
Supported Drives		2.5" U.2 NVMe SSD Note: For the latest Compatibility Guide, refer to our official website.	
PCIe Expansion Slots		1 x FHHL PCIe Gen5 x16 slot for GPU 1 x HHHL PCIe Gen5 x16 slot 2 x HHHL PCIe Gen5 x8 slots	2 x FHFL PCIe Gen5 x16 slots for GPUs 1 x HHHL PCIe Gen5 x16 slot 2 x HHHL PCIe Gen5 x8 slots
Network Adapter Options		- Dual-port 25GbE SFP28 adapter - Dual-port 100GbE QSFP56 adapter Note: Network adapters must be purchased from Infortrend.	
Max. FHHL Single- or Dual-width GPUs		1	0
Max. FHFL Dual-Width GPUs		0	2
System Fans		5	
Rear IO Ports		1 x RJ45 dedicated BMC/IPMI LAN port 1 x RJ45 1GbE management port (shared with IPMI access) 1 x RS232 serial port (COM) 1 x VGA port 4 x USB 3.2 Gen1 ports 1 x RJ45 2.5GbE LAN port 2 x RJ45 10GbE LAN ports	
Dimensions (W x H x D) (Without Chassis Ears and Protrusions)		445 x 86.8 x 498 mm	
Package Dimensions (W x H x D)		600 x 215 x 780 mm	
Power Supplies		2 x 1300W 80 PLUS Titanium redundant hot-plug	
Power Supply	AC Input	100-127VAC/12A 200-240VAC/8.5A, 50/60Hz Note: Please use 200-240VAC for the KS 3004U model.	
Environmental (Without GPU)	Temperature	Operating: 10 to 35°C; non-operating: -40 to 60°C	
	Altitude	Operating: Sea level to 3,660m (12,000ft); non-operating: sea level to 12,192m (40,000ft)	
	Relative Humidity	5 to 95% non-condensing, operating and non-operating	
Safety Standards		- Electromagnetic compatibility: CE, BSMI, FCC - Safety: BSMI, CB, UL	

KS i 5000U Series

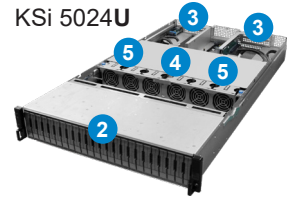
KS i 5008U



KS i 5016U



KS i 5024U



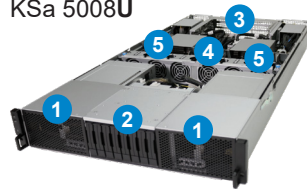
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| 1 FHFL dual-width GPU slots | 4 DDR5 DIMM slots |
| 2 NVMe SSD slots | 5 Intel® Xeon® Scalable Processor (4th or 5th Gen) |
| 3 Network adapter slots | |

PHYSICAL SPECIFICATIONS

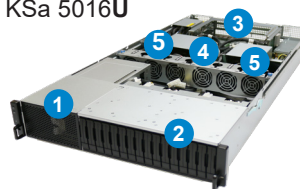
Product Series		KSi 5000U			
Model		KSi 5008U		KSi 5016U	KSi 5024U
Form Factor		2U 8-bay		2U 16-bay	2U 24-bay
Mounting Options		Rackmount			
Processor		Dual 4th Gen Intel® Xeon® Scalable Processors	Dual 5th Gen Intel® Xeon® Scalable Processors	Dual 4th Gen Intel® Xeon® Scalable Processors	
Processor Core Available		12 to 32 cores	64 cores	12 to 32 cores	12 to 32 cores
Cache Memory		• 32 x DDR5 DIMM slots • Default 128GB, up to 2TB DDR5 RDIMM			
Supported Drives		2.5" U.2 NVMe SSD			
		Note: 1. A minimum of four drives is required. 2. For the latest Compatibility Guide, refer to our official website			
PCIe Expansion Slots		• 4 x FHFL PCIe Gen5 x16 slots for GPUs • 2 x FHHL PCIe Gen5 x16 slots • 2 x OCP NIC 3.0 PCIe Gen5 x16 slots	• 2 x FHFL PCIe Gen5 x16 slots for GPUs • 2 x FHHL PCIe Gen5 x16 slots • 2 x OCP NIC 3.0 PCIe Gen5 x16 slots	• 2 x FHHL PCIe Gen5 x16 slots • 2 x OCP NIC 3.0 PCIe Gen5 x16 slots	
		Note: The number of supported network adapters per node via PCIe expansion slots depends on the deployment mode (standalone or cluster mode)			
Network Adapter Options		• Dual-port 25GbE SFP28 OCP NIC 3.0 adapter • Dual-port 100GbE QSFP56 adapter			
		Note: Network adapters must be purchased from Infortrend.			
Max. FHFL Dual-Width GPUs		4	4	2	0
System Fans		6			
Rear IO Ports		• 1 x RJ45 dedicated BMC/IPMI LAN port • 1 x RJ45 1GbE management port • 1 x RJ45 serial port (COM) • 1 x Mini-DP port (supports VGA output) • 2 x USB 3.2 Gen1 ports (Type A)			
Dimensions (W x H x D) (Without Chassis Ears and Protrusions)		449 x 88 x 922 mm			449 x 88 x 852 mm
Package Dimensions (W x H x D)		596 x 262 x 1188 mm			596 x 262 x 1118 mm
Power Supply	Power Supplies	2 x 2700W 80 PLUS Titanium redundant hot-plug	2 x 3200W 80 PLUS Titanium redundant hot-plug	2 x 2700W 80 PLUS Titanium redundant hot-plug	2 x 1600W 80 PLUS Titanium redundant hot-plug
	AC Input	200-240VAC/16-13.5A, 50/60Hz	100-127VAC/18A, 200-240VAC/16A, 50/60Hz	200-240VAC/16-13.5A, 50/60Hz	100-127VAC/12A, 200-240VAC/10A, 50/60Hz
	Note: Please use 200-240VAC for the KS model				
Environmental (Without GPU)	Temperature	Operating: 10 to 35°C; non-operating: -40 to 60°C			
	Altitude	Operating: Sea level to 3,660m (12,000ft); non-operating: sea level to 12,192m (40,000ft)			
	Relative Humidity	5 to 95% non-condensing, operating and non-operating			
Safety Standards		• Electromagnetic compatibility: CE, BSMI, FCC • Safety: BSMI, CB			

KSa 5000U Series

KSa 5008U



KSa 5016U



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| 1 FHFL dual-width GPU slots | 4 DDR5 DIMM slots |
| 2 NVMe SSD slots | 5 AMD EPYC™ 9004 / 9005 Series Processor |
| 3 Network adapter slots | |

PHYSICAL SPECIFICATIONS

Product Series		KSa 5000U	
Model		KSa 5008U	KSa 5016U
Form Factor		2U 8-bay	2U 16-bay
Mounting Options		Rackmount	
Processor		Dual AMD EPYC™ 9004 / 9005 Series Processors	
Processor Core Available		16 to 160 cores	
Cache Memory		• 24 x DDR5 DIMM slots • Default 192GB, up to 1.5TB DDR5 RDIMM	
Supported Drives		2.5" U.2 NVMe SSD	
		Note: 1. A minimum of four drives is required. 2. For the latest Compatibility Guide, refer to our official website.	
PCIe Expansion Slots		• 4 x FHFL PCIe Gen5 x16 slots for GPUs • 3 x FHHL PCIe Gen5 x16 slots • 1 x OCP NIC 3.0 PCIe Gen5 x16 slot	• 2 x FHFL PCIe Gen5 x16 slots for GPUs • 3 x FHHL PCIe Gen5 x16 slots • 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
Network Adapter Options		• Dual-port 25GbE SFP28 OCP NIC 3.0 adapter • Dual-port 100GbE QSFP56 adapter	
		Note: Network adapters must be purchased from Infortrend.	
Max. FHFL Dual-Width GPUs		4	2
System Fans		6	
Rear IO Ports		• 1 x RJ45 dedicated BMC/IPMI LAN port • 1 x RJ45 1GbE management port • 1 x RJ45 serial port (COM) • 1 x DB15 VGA port • 2 x USB 3.2 Gen1 ports (Type A)	
Dimensions (W x H x D) (Without Chassis Ears and Protrusions)		449 x 88 x 922 mm	
Package Dimensions (W x H x D)		596 x 262 x 1188 mm	
Power Supply	Power Supplies	• Models with 160-core CPU: 2 x 3200W 80 PLUS Titanium redundant hot-plug • Other models: 2 x 2700W 80 PLUS Titanium redundant hot-plug	
	AC Input	200-240VAC/16-13.5A, 50/60Hz	
Environmental (Without GPU)	Temperature	Operating: 10 to 35°C; non-operating: -40 to 60°C	
	Altitude	Operating: Sea level to 3,660m (12,000ft); non-operating: sea level to 12,192m (40,000ft)	
	Relative Humidity	5 to 95% non-condensing, operating and non-operating	
Safety Standards		• Electromagnetic compatibility: CE, BSMI, FCC	• Safety: BSMI, CB

SOFTWARE LICENSE

Standalone Edition	Single-Node License	For single-server deployments and general-purpose workloads.
HA Edition	Dual-Node License	For dual-server deployments requiring high availability and automated failover.
EonSight	Multi-Node License	For multi-node deployments requiring high scalability and centralized cluster management. Note: The maximum number of nodes supported per cluster may vary by series. For more details, please contact our sales representatives.

WARRANTY AND SERVICE

Service and Support	Standard Service	3-year limited hardware warranty and 8 x 5 phone, web, and email support (batteries are covered under warranty for 2 years)
	Upgrade or Extension Options	Warranty extension: Standard service can be extended up to 5 years. The following services can be upgraded to 5 years. • Upgrade: Replacement part dispatch on the next business day • Advanced service: Phone, web, and email support + onsite diagnostics on the next business day • Premium service: Phone, web, and email support + onsite diagnostics within 4 hours Note: Options may vary by region. For more details, please contact our sales representatives.
	Technical Support	Get information on system installation and maintenance, download technical documents and software, or issue a support ticket
	Product Services	Register products, download firmware, apply for licensing services, create product repair tickets, or check product repair status

Asia Pacific (New Taipei, Taiwan)
Infortrend Technology, Inc.
Tel : +886-2-2226-0126
E-mail : sales.ap@infortrend.com

China (Beijing, China)
Infortrend Technology, Ltd.
Tel : +86-10-6310-6168
E-mail : sales.cn@infortrend.com

Japan (Tokyo, Japan)
Infortrend Japan, Inc.
Tel : +81-3-5730-6551
E-mail : sales.jp@infortrend.com

Americas (Sunnyvale, CA, USA)
Infortrend Corporation
Tel : +1-408-988-5088
E-mail : sales.us@infortrend.com

EMEA (Düsseldorf, Germany)
Infortrend Technology, Inc.
E-mail : sales.de@infortrend.com



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