

Empower Your Infrastructure with Advantech Servers

Discover Robust Servers for Latest Technology

- ✓ GPU Servers
- ✓ Edge Server
- ✓ HCI Server
- ✓ Server Boards
- ✓ Server Chassis



ADVANTECH

Enabling an Intelligent Planet

intel
partner Titanium
IoT
Solutions

www.advantech.com



Advantech, the leading industrial IoT solution provider. Our products and services feature smart, secure, and energy-efficient designs with remote manageability, Configure-to-Order Services (CTOS), and Design-to-Order Services (DTOS). We offer open-standard server products like server chassis (HPC) and server boards (ASMB), as well as industrial servers for critical applications, including GPU, HCI, carrier-grade, and multi-node servers. Advantech solutions ensure long-term support, revision control, design flexibility, and industrial-grade reliability. Collaborating closely with partners, we deliver diverse solutions for AI in smart cities, transportation, medical, 5G communication, networking and security, IoT edge, and private cloud servers.

Why Advantech Servers



**5-10 Years
Longevity**



**Revision
Control**



**Industrial-Grade
Design**



**Customized
Service**



**Local
Support**

Designed for Industrial and Critical Application Environments

Advantech industrial-grade servers have better endurance and redundancy in critical application environments which commercial servers cannot operate in. Advantech servers have wider ambient temperature validation for greater reliability. They successfully reduce system shutdowns caused by high ambient temperatures. Strict vibration tests make our servers more durable, especially in higher shock and vibration environments like factory automation. Advantech servers feature filters in the front panel that block external dust ingress while easy filter installation and replacement ensures smooth continuous operation.

Characteristic	Advantech Industrial-Grade Servers	Commercial Servers
Temperature Tolerance	0°C ~ 40°C (Carrier-grade -5°C ~ 55°C)	10°C ~ 35°C
Vibration Duration	0.25~1G	0.25~0.5G
Dust Prevention	Dust Filter Support	-
Technical Support	High	Medium to Low
Longevity	5-10 years	2-3 years

Alliance Partners



GPU Server



SKY-602E3



3D
Rendering



Deep
Learning



AI

Form Factor	Mid Tower GPU Server
Processors	AMD® EPYC™ Embedded 8004 Series Server Processor
Memory	6 x DDR5-4800 MHz ECC RDIMM, up to 576GB
Expansion Slots	4 x PCIe 5.0 x16 FH/10.5" dual slot or 2 x PCIe 5.0 x16 dual slot FH/10.5" + 4 x PCIe x8 single slot FH/10.5"
Storage	2 x 2.5" SATA3 drives bays + 2 x M.2 2280 (SATA3/PCIe)
Networking	2 x 10GbE RJ-45 + 1 x Management port
Dimension	216 x 170 x 425 mm (8.5" x 6.69" x 16.73")



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GPU Server



SKY-620V3

LLM



Deep
Learning



AI

Form Factor	2U GPU Server
Processors	Dual 5th/4th Gen Intel® Xeon® Scalable Processors
Memory	16 x DDR5 5600 ECC RDIMM up to 2TB
Expansion Slots	4 x PCIe 5.0 x16 dual slot + 2 x PCIe x16 dual slot or 4 x PCIe x8 single slot FH/10.5"L + 2 x PCIe x8 single slot FH/HL
Storage	8 x 2.5" SAS/SATA3/NVMe drives bays + 2 x M.2 2280/22110 (SATA3/PCIe)
Networking	2 x 10GbE RJ-45 + 2 x 2.5GbE RJ-45 + 1 x Management port
Dimension	438 x 88 x 760 mm (17.24" x 3.46" x 29.92")



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Edge Server



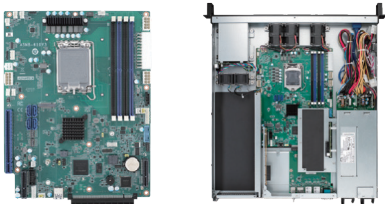
SKY-8134S-11



Form Factor	Ultra-short Depth 1U Edge Server
Processors	5th/4th Gen Intel® Xeon® Scalable Processors
Memory	8 x DDR5 5600MHz ECC RDIMM/LRDIMM up to 2TB
Expansion Slots	1x PCIe 5.0 x16 (FHHL)
Storage	2 x M.2 2280 (SATA3/PCIe)
Networking	On board design 16 x 25GbE SFP+
Dimension	445 x 43.8 x 288 mm (17.5" x1.72" x 11.5")



Edge Server



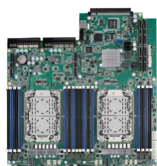
HPC-6120+ASMB-610V3



Form Factor	1U 18" Short-Depth Edge Accelerator Server
Processors	Intel® Core™ processors (14th/13th/12th)
Memory	4 x DDR5 4400 MHz ECC/Non-ECC UDIMM up to 128 GB
Expansion Slots	1 x PCIe x16 slot or 2 x PCIe x8 slots support FH/10.5"
Storage	1 x M.2 2280/22110 (SATA3/PCIe)
Networking	4 x 1GbE RJ-45
Dimension	438 x 44 x 480 mm (17.24" x 1.73" x 18.9")



Edge Server



HPC-6240+ASMB-622V3



Video
Streaming



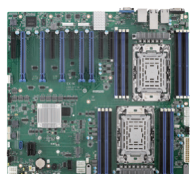
DNA
sequencing

Form Factor	2U 20" Short-Depth Edge Accelerator Server
Processors	5th/4th Gen Intel® Xeon® Scalable Processors
Memory	16 x DDR5 5600MHz RDIMM up to 4TB
Expansion Slots	4 x PCIe x16 slots support FH/10.5"L
Storage	4 x 2.5" SAS/SATA3/SSD drive bays + 2 x M.2 2280/22110 (SATA3/PCIe)
Networking	4 x 1GbE RJ-45
Dimension	438 x 88 x 523 mm (17.24" x 3.46" x 20.59")



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Edge Server



HPC-7420+ASMB-977



Semiconductor



AI AOI

Form Factor	4U 18" short-depth Edge Accelerator Server
Processors	Dual 5th/4th Gen Intel® Xeon® Scalable Processors
Memory	16 x DDR5 5600MHz RDIMM up to 4TB
Expansion Slots	5 x PCIe 5.0 x16 slots+ 5 x PCIe 5.0 x 8 slots
Storage	2 x 2.5" SATA3/SAS/SSD drive bays + 1 x M.2 2280 (SATA3/NVMe) + 1 x M.2 2280 (PCIe)
Networking	2 x 1GbE RJ-45 or 2 x 10GbE RJ-45
Dimension	438 x 177 x 450 mm (17.24" x 6.97" x 17.7")



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Edge Server



SKY-8134DU



HPC



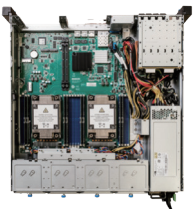
Edge Computing

Form Factor	1U Edge Server
Processors	Dual 5th/4th Gen Intel® Xeon® Scalable processors
Memory	32 x DDR5 5200MHz RDIMM up to 2TB
Expansion Slots	2 x PCIe 5.0 x16 FH/ 10.5"L
Storage	12 x 2.5" SATA3/NVMe drive bays + 2 x M.2 2280 (SATA/PCIe)
Networking	2 x 1GbE RJ-45
Dimension	438 x 44.2 x 788 mm (17.2" x 1.7" x 31")



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Edge Server



SKY-820V3



Edge Computing



Video Security

Form Factor	2U Edge Server
Processors	Dual 5th/4th Gen Intel® Xeon® Scalable processors
Memory	16 x DDR5 5600MHz ECC-REG RDIMM/LRDIMM up to 2TB
Expansion Slots	2 x PCIe 5.0 x16 (FHFL) 2 x PCIe 5.0 x8 (FHFL) 2 x PCIe 5.0 x8 (FHHL)
Storage	6 x 2.5" SAS/SATA3 drive bays or 4 x 2.5" NVMe + 2 x M.2 2280 (SATA/PCIe)
Networking	2 x 10GbE SFP+ + 2 x 1GbE RJ-45
Dimension	438 x 87 x 450 mm (17.2" x 3.4" x 17.7")



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Edge Server



SKY-821E3



Form Factor	2U High Performance Edge Server
Processors	Dual AMD® EPYC™ Embedded 9004 series server processor
Memory	24 x DDR5 4800Mhz ECC RDIMM
Expansion Slots	2 x PCIe 5.0 x16(FHFL), 2 x PCIe 5.0 x8(FHFL), 2 x PCIe 5.0 x8(FHHL), 2 x PCIe 5.0 x8(LP), 1 x OCP3.0 PCIe 5.0 x16, 2 x PCIe 5.0 x8(LP) (Optional)
Storage	2 x 2.5" NVMe(rear, SATA optional) + 2 x M.2 2280 (PCIe)
Networking	2 x 1GbE RJ-45+ 2 x 10GbE RJ-45
Dimension	438 x 88 x 597 mm (17.2" x 3.4" x 23.5")



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Edge Server



SKY-8234D

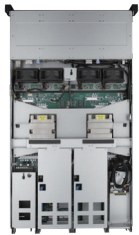


Form Factor	2U Edge Server
Processors	Dual 5th/4th Gen Intel® Xeon® Scalable processors
Memory	32 x DDR5 5600MHz RDIMM, up to 2TB
Expansion Slots	1) 4 x PCIe 5.0 x16(FHFL) + 2 x PCIe 5.0 x8(LP) 2) 2 x PCIe 5.0 x16(FHFL) + 2 x PCIe 5.0 x8 slots(FHFL) + 2x PCIe 5.0 x8(FHHL) + 2 x PCIe 5.0 x8(LP)
Storage	12 x 2.5" hot-swappable SATA3/NVMe drive bay
Networking	2 x 1GbE management ports + 1 x RJ-45 console
Dimension	482 x 87 x 533 mm (19" x 3.48" x 20.9")



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HCI Server



SKY-721E3



Cloud
Computing



Software Define
Storage

Form Factor	2U High Performance Rackmount Server
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Processors	Dual AMD® EPYC™ Embedded 9004 series server processor
Memory	24 x DDR5 4800MHz ECC RDIMM
Expansion Slots	2 x PCIe 5.0 x16(FHFL), 2 x PCIe 5.0 x8(FHFL), 2 x PCIe 5.0 x8(FHHL), 2 x PCIe 5.0 x8(LP), 1 x OCP3.0 PCIe 5.0 x16, 2 x PCIe 5.0 x8(LP) (Optional)
Storage	2 x 2.5" NVMe(rear, SATA optional) + 2 x M.2 2280 (PCIe)
Networking	2 x 1GbE RJ-45+ 2 x 10GbE RJ-45
Dimension	438 x 87 x 770 mm (17.2" x 3.4" x 30.4")



Learn More

Multi-Node Server



SKY-9234S3



HCI
Storage

Form Factor	2U4N Rackmount Server
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Processors	5th/4th Gen Intel® Xeon® Scalable processors
Memory	8 x DDR5 4800MHz RDIMM per node
Expansion Slots	1 x OCP3.0 + 1 x PCIe 5.0(HHHL) + 1 x U.2 SSD per node
Storage	12 x 3.5" SATA/HDD drive bays + 2 x M.2 2280 (SATA3/PCIe)
Networking	2 x 1GbE management ports + 1 x RJ-45 console
Dimension	438x 87.5x 810 mm (17.24" x 3.44" x 31.9")



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Micro ATX Server Board



ASMB-561

Processors	AMD® EPYC™ Embedded 8004 series server processor
Memory	6 x DDR5 4800MHz RDIMM up to 1.5TB
Expansion Slots	4 x PCIe 5.0 x16
Storage	MCIO to SATA3 up to 16 x SATA3, 2 x M.2 2280
Networking	2 x 1GbE RJ-45 2 x 10GbE RJ-45
BMC	AST2600 (I/T2 SKU)
TPM	TPM 2.0 Onboard



ASMB-588

Processors	Intel® Core™ processors (14th/13th/12th)
Memory	4 x DDR5 4400 MHz ECC/Non-ECC UDIMM up to 128 GB
Expansion Slots	1 x PCIe 5.0 x16 and 2 x PCIe 4.0 x4 slots
Storage	5 x SATA3 ports + 1 x M.2 2280(PCIe)
Networking	4 x 1GbE RJ-45
BMC	IPMI-2000 Module(Optional)
TPM	TPM 2.0 Module (Optional)



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ATX Server Board



ASMB-788

Processors	Intel® Core™ processors (14th/13th/12th)
Memory	4 x DDR5 4400 MHz ECC/Non-ECC UDIMM up to 128GB
Expansion Slots	1 x PCIe 5.0 x16 + 2 x PCIe 4.0 x4 and 2 x PCI
Storage	4 x SATA3 ports+ 1 x M.2 2280 (PCIe)
Networking	4 x 1GbE RJ-45
BMC	AST2600 (G4 SKU)
TPM	TPM 2.0 Module (Optional)



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CPU Up to 385W



ASMB-807

Processors	Intel® Xeon® W processors
Memory	8 x DDR5 4800 MHz RDIMM up to 2TB
Expansion Slots	3 x PCIe 5.0 x16, 1 x PCIe 5.0 x8 and 2 PCIe 4.0 x4
Storage	8 x SATA3 ports+ 2 x M.2 2280(PCIe)
Networking	2 x 1GbE RJ-45 2 x 10GbE RJ-45
GPU Cards Support	2 x 4 slots GPU
BMC	AST2500 (T2 SKU)
TPM	TPM 2.0 Module (Optional)



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ATX Server Board



ASMB-830

Processors	Dual AMD® EPYC™ Embedded 7002/7003 series server processor
Memory	8 x DDR4 3200 MHz RDIMM up to 128GB
Expansion Slots	Features 5 x PCIe 4.0 x16, 2x PCIe 4.0 x8
Storage	AMD EPYC™ CPU integrated: 8 (via Mini-SAS HD SFF-8643) + 1 x SATA3 + 2 x M.2 2280(SATA3/PCIe)
Networking	2 x 10GbE RJ-45 2 x 10GbE RJ-45 (T2 SKU)
BMC	AST2500 (I/T2 SKU)
TPM	TPM 2.0 Module (Optional)



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ASMB-831

Processors	AMD® EPYC™ Embedded 9004 series server processor
Memory	DDR5 4800 MHz RDIMM up to 384GB
Expansion Slots	5 x PCIe 5.0 x16 and 2 x PCIe 5.0 x8 dual slot
Storage	AMD EPYC™ CPU integrated: 8 (via Mini-SAS HD SFF-8643) + 1 x SATA3 + 2 x M.2 2280(SATA3/PCIe)
Networking	2 X 10GbE RJ-45
BMC	AST2600 (T2 SKU)
TPM	TPM 2.0 Onboard



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ATX Server Board



ASMB-817

Processors	5th/4th Gen Intel® Xeon® Scalable processors
Memory	8 x DDR5 5600 MHz RDIMM up to 2TB
Expansion Slots	3 x PCIe 5.0 x16, 2 x PCIe5.0 x8, 1 x PCIe 5.0 x4
Storage	8 x SATA 3 ports+ 1 x M.2 2210(PCIe+SATA)
Networking	2 x GbE RJ-45 2 x 10GbE RJ-45
BMC	AST2600 (I/T2 SKU)
TPM	TPM 2.0 Module (Optional)



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Dual Socket Server Board



ASMB-927

Processors	Dual 5th/4th Gen Intel® Xeon® Scalable processors
Memory	16 x DDR5 5600 MHz RDIMM up to 4TB
Expansion Slots	4 x PCIe 5.0 x16 and 2 x PCIe 5.0 x8
Storage	9 x SATA 3 ports+ 1 x M.2 2280(PCIe+SATA)
Networking	2 x 10GbE RJ-45
BMC	AST2600 (T2 SKU)
TPM	TPM 2.0 Onboard



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Server Chassis



HPC-8104

Processors	Micro ATX, ATX
Form Factor Support	1
Redundant Power Supply	650W
Slim ODD Bay	1 (Ultra Slim)
Front I/O	2 x USB 3.2 Gen1
Drive bay	4 x 3.5"/ 2.5" hot-swappable 3 x 2.5" internal (optional)
Dimension	438 x 43.9 x 530 mm (17.24" x 1.73" x 20.9")



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HPC-8208

Processors	ATX, EATX
Form Factor Support	7
Redundant Power Supply	850W
Slim ODD Bay	1
Front I/O	2 x USB 3.2 Gen1
Drive bay	8 x 3.5"/ 2.5" hot-swappable 2 x 2.5" internal
Dimension	438 x 88 x 620 mm (17.24" x 3.46" x 24.4")



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Server Chassis



HPC-7320

Processors	Micro ATX, ATX, EATX
Form Factor Support	7
Redundant Power Supply	550W/ 800W
Slim ODD Bay	1
Front I/O	2 x USB 3.2 Gen1
Drive bay	2 x 3.5"/2.5" hot-swappable 2 x 3.5" internal
Dimension	426.4 x 132.2 x 480 mm (16.79" x 5.2" x 18.9")



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HPC-7485

Processors	ATX, EATX, EE-ATX
Form Factor Support	11
Redundant Power Supply	1200W/ 2000W
Slim ODD Bay	1
Front I/O	2 x USB 3.2 Gen1
Drive bay	8 x 3.5"/ 2.5" hot-swappable 2 x 2.5" internal
Dimension	435 x 176 x 660 mm (17.1" x 6.9" x 25.9")



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