

HAWK
Powered by NetFLOW



HAWK Pro 128

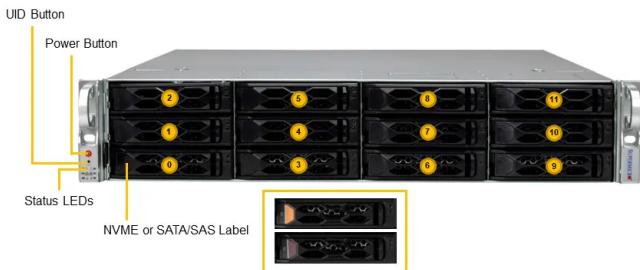
HAWK SUPER SERVER (2U Rackmount)

KEY FEATURES:

- Dual sockets E (LGA-4677) 4th Gen Intel® Xeon® Silver Scalable processors
- 16 DIMMs up to 4TB 3DS ECC DDR5-4800: RDIMM
- 4 PCIe 5.0 x8 FHHL (optional: combine into 2 PCIe 5.0 x16); 2 PCIe 5.0 x16 FHHL; 2 PCIe 5.0 x4 NVMe M.2
- Dual AIOM (OCP 3.0) slots with NCSI for networking, 1 dedicated IPMI LAN
- 12x 3.5/2.5" hot-swap hybrid NVMe/SATA/SAS drive bays
- 3 heavy duty fans with optimal fan speed control, 1 air shroud
- 1200W redundant Titanium level 100-240Vac and 200-240 Vdc power supplies
- 1 VGA, 1 COM, 2 USB 3.0 (rear)
- Windows 10 IOT & NetFLOW-PRO pre-configured (contact sales for NetFLOW-PRO license cost)

APPLICATION:

- Web Server
- Firewall Application
- Data Center Optimized
- Value IaaS
- Cloud Computing
- Compact Server
- DNS & Gateway Servers
- Firewall Application
- CDN
- Edge Nodes



Drive Bay	Description
0 - 11	3.5/2.5" Hot-swap (SATA3/SAS3/NVMe) ² Hybrid Drive Bays

¹ NVMe device populated in drive bay #0 or #2 is limited to PCIe 4.0 with four UPI processors
² Drives require corresponding data cable(s) from the optional parts list



Drive Bay	Description
12 - 13	Optional 2.5" Hot-swap SATA3/SAS3/NVMe Drive Bays

Slot Description	
4	PCIe 5.0 x8 (or optional x16) ¹ FHHL ²
5	PCIe 5.0 x8 (or optional x16) ¹ FHHL ²
6	PCIe 5.0 x16 FHHL
A2	PCIe 5.0 x16 AIOM (OCP 3.0)

Slot Description	
1	PCIe 5.0 x8 (or optional x16) ¹ FHHL ²
2	PCIe 5.0 x8 (or optional x16) ¹ FHHL ²
3	PCIe 5.0 x16 FHHL
A1	PCIe 5.0 x16 AIOM (OCP 3.0)

¹ Supports FHFL with 1U heatsink
² Merge PCIe lanes from another slot or NVMe ports

GENERAL	
Case	2U Rackmount
Processor	Dual Socket E (LGA-4677), 4th Gen Intel® Xeon® Silver Scalable processors

GPU	
Supported GPU	NVIDIA PCIe: A100, H100, L40, L40S
CPU-GPU Interconnect	PCIe 5.0 x16 CPU-to-GPU Interconnect
GPU-GPU Interconnect	PCIe

ON-BOARD DEVICES	
SATA	SATA3 (6Gbps); RAID 0/1/5/10 support
NVMe	NVMe; RAID 0/1/5/10 support (*VROC is required)
Chipset	Intel® C741
Network Connectivity	with Advanced IO Module, AIOM (OCP 3.0 NIC, refer to AIOM Network Card(s) under Optional Parts List for options) Note: High TDP 200-400G NICs have support conditions due to thermal requirements.
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

PC HEALTH MONITORING	
FAN	Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
Temperature	Monitoring for CPU and chassis environment Thermal Control for fan connectors
CPU	Monitors for CPU Cores, Chipset Voltages, Memory. 8 Phase-switching voltage regulator

INPUT/OUTPUT	
LAN	1 Dedicated IPMI LAN port
USB	2 USB 3.0 port(s) (2 rear)
Video	1 VGA port(s)
Serial Port	1 COM Port(s) (1 rear)

SYSTEM	
Memory Capacity	16 DIMMs up to 4TB 3DS ECC DDR5-4800: RDIMM
Memory Type	4800MHz ECC DDR5 RDIMM
Drive Bays	12x 3.5" hot-swap NVMe/SATA/SAS drive bays (12x 3.5" NVMe hybrid)(Storage drives require additional cables from the optional parts list.) 2x PCIe 5.0 x4 M-Key, 2280
Expansion Slots	4 PCIe 5.0 x8 FHHL slot(s) 2 PCIe 5.0 x16 FHHL slot(s) (Slots 1 and 4 can convert to x16 by merging 2 and 3. Slots 1, 2, 4 and 5 can support FHFL cards with 1U heatsinks. Some slots share PCIe lanes with NVMe. FH = Full Height, LP = Low Profile, FL = Full Length, HL = Half Length, DW = Double Width, SW = Single Width)
Fans	3x 8cm heavy duty fans with optimal fan speed control
Air Shroud	1 Air Shroud(s)
Power Supply	1200W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0

ENVIRONMENT	
Operating Temperature	10°C ~ 35°C (50°F ~ 95°F)
Non-operating Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Relative Humidity	8% to 90% (non-condensing)
Non-operating Relative Humidity	5% to 95% (non-condensing)

DIMENSIONS & WEIGHT	
Enclosure	437 x 89 x 648mm (17.2" x 3.5" x 25.5")
Package	678 x 290 x 876mm (26.7" x 11.4" x 34.5")
Gross Weight	60 lbs (27.2 kg)
Net Weight	33.5 lbs (15.2 kg)
Color	Black front & silver body

*This recording server are best fit without AI & Video Analytics.

**Please add GPU cards to avail AI & Video Analytics by consulting our sales experts

**For proper AI functionality please talk to a sales representative to calculate your needs. For in depth AI functions please only use the Hawk Server with GPU to properly maintain the load on the system.

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*All product specifications on this brochure are subject to change without notice.



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