

Gray Wolf 4

Rugged 4U HPC Rackmount Server



systelusa.com/gray-wolf-4

Product Brief

Gray Wolf 4 is a rugged 4U HPC Supercomputer. Featuring immense processing capability including dual Intel Latest Gen Dual Intel Xeon Scalable Processors and up to four NVIDIA GPUs with dual NVLINK, Gray Wolf 4 is the best-in-class choice for AI, SIGINT, EW/CW demanding workloads in austere environments.

Gray Wolf 4 provides immense data center performance in a rugged server fieldable in the harshest environments, and can be configured and purpose-built for numerous defense and commercial mission-critical applications.

Gray Wolf 4 is engineered with a standards-based approach utilizing open architectures and COTS technologies, and is aligned to OSA/MOSA mandates.



Key Features

- Latest-gen ATX, E-ATX, or custom form factor motherboard
- (2) latest Intel Xeon CPUs
- Up to (4) NVIDIA data center GPUs with NVLink
- Memory: up to 2TB
- Storage: up to (12) removable 2.5" SSDs
- Typical 7-slot PCIe, support for additional PCIe slots up to 10-slots
- High-bandwidth networking up to 100GbE
- Option for redundant power supply
- Security: supports data at rest (DAR) and data in transit (DIT); TPM 2.0; supports FIPS 140-2 and AES 256 encryption; Intel TXT and SGX
- MIL-SPEC rugged
- Operating temperature range up to -10C to +55C
- Engineered with standards-based approach utilizing open architectures and COTS technologies
- MOSA-aligned

Gray Wolf 4 Specifications

System 3-Year Product Warranty
EOL and Configuration Management Included



System Specs

Chassis

Material: 5052 aircraftgrade aluminum. Finish: clear alodine with black powder-coated front panel and top cover.

Front Panel

- Reset and Power controls
- (2) USB 3.0 ports

SWAP

- Chassis Dimensions:
RC4600: 19"W x 22.5"D x 7.00"H
RC4700: 19"W x 26.5"D x 7.00"H
- Weight: ~35-75lbs
- Power: AC and DC options

Processing

- Motherboard: Latest gen ATX, E-ATX, or custom form factors
- CPU: Up to (2) latest gen Intel Xeon
- GPU: Up to (4) latest gen NVIDIA with NVLink option
- Memory: up to 2TB
- Expansion: PCIebased, typical 7 slots
- OS: supports Windows or Linux 64-bit

Power Supply

- ATX PS2-style
- Redundant AC or DC, N+1

Storage

- Up to (12) removable 2.5" SSDs (with drive carriers)

Temperature

Operating: -10C to +55C MIL-STD-810H, Method 501.7 and 502.7, Proc. III; Non-Operating: -40C to +70C MIL-STD-810H, Method 501.7 and 502.7, Proc. I

Vibration

MIL-STD-810H Method 514.8, Proc. I, Cat. 4, C-VII

Humidity

MIL-STD-810H, Method 507.6, Proc. I and II

Altitude

Operating: 15,000 ft. (max) MIL-STD-810H, Method 500.6, Proc. II; Non-Operating: 40,000 ft. (max) MIL-STD-810H Method 500.6, Proc. I

EMI/EMC

Option for EMI filters for MIL-STD-461G



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Any **Mission.** Anywhere.

All specifications are configuration-dependent and subject to change. Please contact a Systel sales representative to discuss your configuration.

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