

Niveus 4904GT



Broadwell-powered GPU workstation equipped with the latest CPU and I/O technology

The Niveus 4904GT is a dual socket workstation that features the latest line of Intel's Broadwell-based Xeon E5-2600 v3 and v4 processors and the Intel C612 chipset. Utilizing up to four GPUs for powerful hardware performance, this system also provides users with support for 8x 2.5" or 3.5" SATA/SAS HDD trays along with 7x PCIe slots for customization, all within a single workstation.

The Niveus 4904GT is the ideal solution for handling the most demanding workloads, such as technical and scientific simulations, visualization, CAD applications and digital content creation.

Penguin Computing specializes in delivering turn-key High Performance Computing clusters and Data Center systems that include software solutions for cluster and workload management, high performance interconnects, storage systems and a power delivery infrastructure. All components are integrated in rack enclosures, configured for optimal performance by Penguin's HPC experts and ready to use.

OPEN SOLUTIONS

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For information, please contact: sales@penguincomputing.com

www.penguincomputing.com | 1-888-PENGUIN (736-4846) | [twitter:@PenguinHPC](https://twitter.com/PenguinHPC)

Niveus 4904GT

Key Features

- 8x 2.5"/3.5" SAS/SATA HDD bays
- Up to 1TB DDR4-2400MHz (16x DIMMs)
- 7x PCIe slots
- Single/Redundant 2000W 80Plus Platinum PSU (100-240V AC)

CPU and Memory

- Dual Intel® Xeon® E5-2600 v3 and v4 processors
- Intel® C612 Chipset (Wellsburg)
- 16x DIMM sockets for up to 1TB
- 2400 DDR4 RAM with ECC

Storage

- SAS/SATA
- 8x 3.5" SATA/SAS HDD trays
- 3x 5.25" drive bays

Integrated I/O and External Ports

- Dual GbE Integrated LAN with two Intel I350 RJ45 ports
- Integrated BMC with IPMI 2.0 and 'KVM over IP' support through dedicated RJ45 port
- Integrated ASPEED AST2400 BMC

Expansion Slots

- 4x PCIe x16 Gen3 slots
- 1x PCIe x8 Gen3 slots
- 1x PCIe x8 Gen3 slots (in x16)
- 1x PCIe x16 Gen3 slots (in x8)

I/O Options

- Support RAID hardware

Dimensions

- 26.5" x 7.0" x 18.2" (LxWxH)

Other Penguin Products:



Relion 1900

1U Form Factor
Dual Socket Intel® E5-2600 v3/v4 Series
Up to 1.5TB DDR4-2400MHz (24x DIMMs)
Intel® C612 Chipset (Wellsburg)
2x GigE/RJ45 (Intel® I350)
1x Dedicated BMC (ASPEED AST2400)
3x LP PCIe Gen3 Slots
1x PCIe x8 Universal IO Cards
2x PCIe x16 Gen3 LP
4x 3.5" or 8x 2.5" SAS/SATA HDDs
(Or 8+2) 2.5" SAS/SATA + 2.5" NVMe
Single/Redundant 800W 80+ Platinum
(100-220 VAC)



Relion 2940

2U 4 Node Form Factor
Dual Socket Intel® E5-2600 v3/v4 Series
Up to 1TB DDR4-2400MHz (16x DIMMs)
Intel® C610 Chipset (Wellsburg)
2x GigE/RJ45 (Intel® I350)
1x Dedicated BMC (ASPEED AST2400)
1x PCIe x16 Gen3 Slot
1x PCIe x8 PCIe Mezzanine Slot
16x 2.5" SAS/SATA HDDs
Single/Redundant 1600W 80Plus PSU



IceBreaker 2912J

2U Form Factor
12x 3.5" SAS/SATA HDDs
SAS 12Gb/s
Dual Redundant SBB Canisters
2x SFF-8644 Mini-SAS HD Connectors
1x RJ45 Console Port
Redundant 600W 80Plus Gold PSU (90-264V AC AR)



IceBreaker 2924J

2U Form Factor
24x 3.5" SAS/SATA HDDs
SAS 12Gb/s
Dual Redundant SBB Canisters
2x SFF-8644 Mini-SAS HD Connectors
1x RJ45 Console Port
Redundant 600W 80Plus Gold PSU (90-264V AC AR)

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Penguin systems are tested for compatibility with all major commercial and freely available Linux distributions and are available with Red Hat Enterprise Linux, SuSE Linux Enterprise Server or CentOS pre-installed.