



Relion 2930w

State-of-the-art Open Rack Server designed for Performance and Efficiency

► OPEN SOLUTIONS

COMPUTE

STORAGE

NETWORK

CLOUD



Built on the vanity-free design principles of the Open Compute project, the Relion OCP2930w is a powerful and energy efficient 20U (open rack) server that features the Intel Xeon E5-2600 v3 and v4 processors and up to 1TB DDR4-2400MHz (16x DIMMs). Utilizing an OCP-ready x8 mezzanine card, 1x 3.5" fixed SATA drive (per node), 1x PCIe x8 and 1x PCIe x16 expansion slots, the system is designed for high memory performance and I/O expandability. Its RAID-ready configuration helps preserve data integrity and corruption in the event of failure or maintenance.

The OCP2930w is also available in the flexible OCP2930w configuration that offers support for up to six 2.5" SSDs and 1x mSATA, providing users with a high-density solution for demanding data center applications and needs.

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.

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.

FOR INFORMATION, PLEASE CONTACT:

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Key Features

- 2 OU, Fits OpenHPCTM Shelf, up to 3 Compute Server per Shelf
- Dual Socket Intel® Xeon® E5- 2600 v3 and v4 per node
- Up to 1TB DDR4-24003MHz (16x DIMMs) per node
- Intel® C610 Chipset
- 1x Dedicated Management Port
- 1x 40GbE QSFP Port (optional)
- Single/dual 10GbE DA/SFP+ Ports (optional)
- Integrated 2D Video Controller
- 1x PCIe 3.0 x16 Low Profile
- 1x PCIe 3.0 x16 Low Profile
- 1x 3.5" SAS/SATA HDD

Dimensions

- 3.30" x 6.93" x 31.32"(H x W x D)
- Weight: 12.5 lbs.



OTHER TUNDRA ES PRODUCTS:



Relion X1904GT

- 1 OpenU Form Factor
- Dual Intel® Xeon ® E5-2600 v4 processors
- Up to 1TB DDR4-2400MHz (16x DIMMs)
- Intel® C612 Chipset
- 2x PCIe 3.0 (Speed depends on topology)
- 4x 2.5" SATA SSD
- Dual GbE LOM
- Dedicated BMC Port
- Support Asetek Direct-to-Chip Cooling (CPUs and GPUs)
- Supports 4x GPGPU Nvidia Tesla P100, P100-SXM2, M40 and P40
- Flexible PCIe Topology

Relion Phi X1030e

- OCP OpenRack Form Factor
- 10U, 3 Servers per Shelf
- Single Socket Intel® Xeon Phi TM 7200 Series, including -F (OmniPath)
- Up to 384GB DDR4-2400MHz (6x DIMMs)
- Intel® C610 Chipset
- Shared BMC
- 2x PCIe Gen3 x16 slots
- Up to 2x 2.5" SSD/U.2 NVMe
- Up to 8x M.2 NVMe Storage
- 2x 1GbE ports
- 1x mSATA (Onboard)
- Supports Intel® Omni-Path via KNL-F Processor or PCIe card.

Relion 1930g

- OCP OpenRack form factor, 1 OU, 3 Servers per Shelf
- Dual Socket Intel® Xeon E5-2600 v3 and v4 series
- Up to 384GB DDR4-2400MHz (6x DIMMs)
- Intel® C610 Chipset (Wellsburg)
- 2x GigE/RJ45 (Intel®I Springville)
- 1x Dedicated BMC
- 1x PCIe x16 Gen3
- 1x PCIe x8 Mezzanine Card
- Up to 2x 2.5" SATA SSDs
- Up to 4x M.2 NVMe (via PCIe Mezz)

Relion 1930e

- OCP OpenRack form factor, 1 OU, 3 Servers per Shelf
- Dual Socket Intel® E5-2600 v3/v4 Series
- Up to 1TB DDR4-2400MHz (16x DIMMs)
- Intel® C612 Chipset
- 2x GbE/RJ45 LOM
- 1x Dedicated BMC
- 1x PCIe x16 Gen3 Slot
- 1x PCIe x8 PCIe Mezzanine Slot
- 1x 2.5" Fixed SATA SSD
- Optional 1x FDR LOM
- Supports Asetek Direct-to-Chip Cooling

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