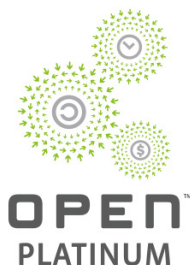


## Relion 2930w

### State-of-the-art Open Rack server optimized for performance and energy efficiency

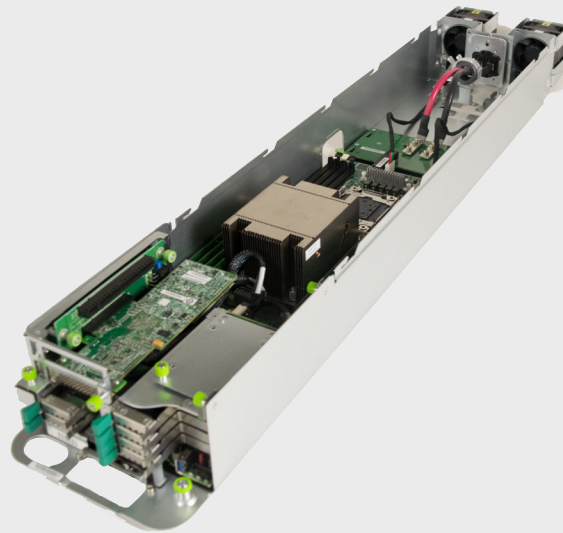
Built on the vanity-free design principles of the Open Compute project, the Relion OCP2930w is a powerful and energy efficient 2OU (open rack) server that features the Intel Xeon E5-2600 v3 and v4 processors and up to 1TB DDR4-2400MHz (16x DIMMs). Utilizing an OCP-ready x8 mezzanine card, 1x 3.5" fixed 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 OCP2930wp 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.



#### Features

- Three Nodes in 2 OpenU Form Factor rack (Open Rack)
- Dual Socket Intel® Xeon® E5-2600v3 and v4 per node
- Up to 1TB DDR4-2400MHz (16x DIMMs) per node
- Intel® C610 Chipset
- 1x GigE ME Management
- 1x PCIe 3.0 x8
- 1x PCIe 3.0 x16
- 1x 3.5" Fixed SATA
- Powered by Open Rack

#### Relion2930w Server

- 2 OU, Fits OpenHPC™ Shelf, up to 3 Compute Server per Shelf
- Dual Socket Intel® Xeon® E5-2600 v3 and v4 per node
- Up to 1TB DDR4-2400MHz (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

#### Tundra Architecture

- 2x Independent Power Zones, each supplying 18kW with N+3 Redundancy
- Total Open Rack supports 36kW with (N+3 Redundancy)
- Disaggregate Power Supply, 3-Phase, wide range (208-277V) input providing 12V DC power
- OpenHPC™ Compute Server Shelf supports up to 3x Compute Servers
- OpenHPC™ Shelf is 1 OU height; (Open U); 1 OU = 48 mm (1.889")
- Designed in accordance to OCP Open Rack Specification
- Allows for reduce infrastructure cost during technology generation transition



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