



IceBreaker 1906g



Single Socket Tundra Storage solution powered by Intel® Xeon® D

Powered by a single Intel® Broadwell-DE D1541 SOC processor, the IceBreaker 1906g, part of Penguin Computing's Tundra ES storage platform, delivers density, performance and serviceability for demanding and extraordinary customers.

Compatible with Open Compute's Open Rack specifications, the OCP1906g provides customers with up to 6x HDDs (max of up to 4x 3.5") in a 1 OU (48mm) form factor, providing an ideal storage solution for data center applications with failover support.

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.

OPEN SOLUTIONS

COMPUTE

STORAGE

NETWORK

CLOUD



For information, please contact: sales@penguincomputing.com

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IceBreaker 1906g

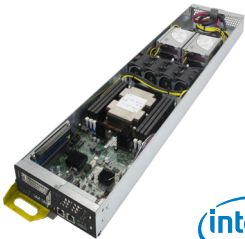
Key Features

- 3 nodes in 1OU (OpenU)
- OCP Ready
- Single Intel® Broadwell-DE D1541 SOC processor
- Up to 128GB DDR4-2400MHz (4x DIMMs) per node
- Dedicated BMC – AST2400
- 6x SATA Ports
- 6x 2.5/3.5" Fixed SATA HDDs (Max 4x 3.5"/4x 2.5")
- 2x GbE/RJ45
- Option: 2x 10GbE/SFP+ LOM
- USA – UL listed, FCC
- Canada – CUL listed

Tundra ES Rack

- 400U Open Bridge Rack
- UL Listed Rack
- Single Power Shelf (277/480Vac)
 - 26.4kW N+1 Redundancy
- Dual Power Shelf (208/240Vac)
 - 33kW N+1 or 34.6kW N+3 Redundancy

Other Tundra ES Products:



Relion Phi X1030

OCP OpenRack form factor, 1 OU, 3 Servers per Shelf

Intel® Xeon® Phi "Knights Landing"

Massive parallelism – up to 72 cores with 4-way hyperthreading

Multi Channel DRAM (MCDRAM) – up to 400GB/s

Up to 384GB DDR4-2133MHz (6x DIMMs) per node

1x Dedicated Management Port

Optional Omni Path interconnects

1x PCIe 3.0 x16 Low Profile Expansion Slot

1x 2.5" SATA SSD/HDD



Relion 1930g

OCP OpenRack form factor, 1 OU, 3 Servers per Shelf

Dual Socket Intel® Xeon® E5-2600 v3 and v4 series

Up to 1TB DDR4-2400MHz (16x DIMMs) per node

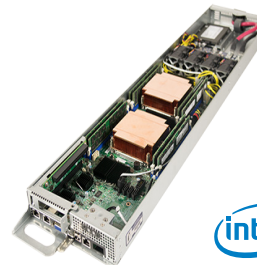
Intel® C610 Chipset

1x Dedicated Management Port

2x 10Gb Ethernet ports

1x PCIe 3.0 x16 Low Profile Expansion Slot

1x 2.5" SATA SSD/HDD



Relion 1930e

OCP OpenRack form factor, 1 OU, 3 Servers per Shelf

Dual Socket Intel® Xeon® E5-2600 v3 and v4 series

Up to 512GB DDR4-2400MHz (8x DIMMs) per node

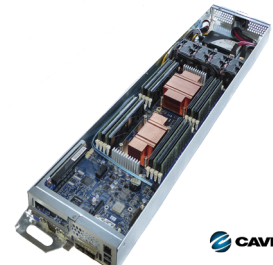
Intel® C610 Chipset

1x Dedicated Management Port

Optional Infiniband, Omni Path and 10/25/40/50 Ethernet interconnects

1x PCIe 3.0 x16 Low Profile Expansion Slot

1x 2.5" SATA SSD/HDD



Valkre 1030c

OCP OpenRack form factor, 1 OU, 3 Servers per Shelf

Dual Cavium ThunderX Processors based on ARM64 architecture

Up to 1TB DDR4-2133MHz (16x DIMMs)

1x Dedicated Management Port

Built-in 2x 40Gb Ethernet interfaces

1x PCIe 3.0 x16 Low Profile Expansion Slot

1x 2.5" SATA SSD/HDD



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