

Pirineus III

Heterogeneous cluster

Peak performance: 2,2 Pflop/s

Connection nodes: Infiniband network HDR at 200 Gb/s

Operating system: Red Hat Enterprise Linux 8.9

Standard

50 nodes
96 cores x 2 AMD Epyc® 9654
CPU at 2,4 GHz
384 GB RAM

40 nodes
24 cores x 2 Intel® Xeon®
Gold 6342
CPU at 2,8 GHz
256 GB RAM
4 TB disk storage

High memory

8 nodes
96 cores x 2 AMD Epyc® 9654
CPU at 2.4 GHz
3 TB RAM

GPGPU

29 nodes
32 cores x 2 AMD Epyc® 9334
CPU at 2,4 GHz
384 GB RAM
2 Nvidia H100 GPUs:

- 80 GB RAM
- FP64 performance: 26 Tflop/s
- FP64 Tensor Core performance: 51 Tflop/s
- FP32 performance: 51 Tflop/s
- FP32 Tensor Core performance: 756 Tflop/s