

HPC User Guide

2024 OVERVIEW

HPC SYSTEMS

CINECA enables world-class scientific research by operating and supporting leading-edge supercomputing technologies and by managing a state-of-the-art and effective environment for the different scientific communities.



MARCONI | 2017
3188 nodes
48 cores per node
612 TB RAM
10 PFlops
Dismissed on July 2023



LEONARDO | 2023
4992 nodes
Booster Module:
32 core per node
4 GPU NVIDIA Ampere custom
In production since August 2023
Data Centric Module:
56x2 cores per node
In production since February 2024
110 PB Storage
250 PFlops



DCX | 2021
3 nodes
128 cores per node
8 GPU NVIDIA A100 per node
100 TB Storage
15 PFlops



GALILEO100 | 2021
564 nodes
48 cores per node
2 GPU NVIDIA V100 per node
~22 PB Storage
2 PFlops

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A User Guide for HPC systems in CINECA (last release: May 2024)

- [UG1.0: Introduction](#)
- [UG2.0: General Information](#)
- [UG3.0: System Specific Guides](#)