

Liquid cooling workstation product technical specification

Liquid-Cooling WorkStation

The thunder is red
RD-4140 single path multi card full liquid cooling workstation



Product features

The Lei Ji Chi Xie RD-4140 is as solid as a rock, with strong performance and rich expansion. It adopts innovative split full liquid cooling technology to release powerful performance and is an excellent choice for scientific research computing, AI training and reasoning

Innovative heat dissipation solution

Support GPU and CPU liquid cooling, providing higher computing power per unit density

Flexible configuration, strong performance

The RD-4 140 can be flexibly configured with Intel® Xeon W series processors, 2 to 4 Nvidia RTX graphics cards or NVIDIA RTX Ada professional graphics cards to provide powerful GPU computing power

Release the potential of computing

RD-4 140 uses liquid cooling, without more fans and heat dissipation volume, improves the heat dissipation capacity of the whole machine, so that the powerful GPU and CPU can run at full efficiency and release the computing potential

Rich interfaces

The body has a rich port, carrying a large number of USB Type-C® and USB Type-A ports, which can easily connect external devices and transmit all kinds of content seamlessly, with rich application scenarios

Improve computing efficiency

RD-4 140 can be used as a computing platform to improve user computing efficiency and accelerate enterprise users business processes

Super large rated power

Supports two 2600W power supplies to ensure stable operation of high-performance CPU and GPU under full load

key parameter

- Support Intel® Xeon W series processors
- Supports 8 DDR5 memory slots for up to 2 TB
- Supports onboard SSD, NVMe M.2 and U.2
- Supports up to 4 GPU graphics cards
- Supports 7 PCIe 5.0
- Supports 11G and 210G networks

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Product technical specifications

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|-----------------------|---|
| processor | Supports up to 56 cores of Intel® Xeon® W-2400/3400 series processors (liquid cooling) |
| internal storage | Provides 8 memory slots, supports DDR5 memory, supports 2TB |
| caliche | Support NVMe M.2SSD solid state drives 3; Supports 4 enterprise-class U.2 SSD solid state drives; Supports 4 enterprise-level SATA hard disk ports; |
| GPU | Supports 4 GPU computing cards (liquid cooling) |
| Expand slots | PCIe: 7 PCIe 5.0 x 16 M.2 ports: 3 M.2 PCIe 4.0 x 4 SLimSAS: 2 SLimSAS interfaces SATA: 8 SATA ports |
| External interface | 210G RJ45 11 G RJ45 6 Multimedia audio interface 1 VGA 6x USB 3.2 Gen 2x2 port(s) (2 x USB Type-C®) 2 x USB 2.0 port(s) (2 x Type-A) |
| source | Supports two 2600W 80Plus gold power supplies |
| chassis | The full aluminum CNC anode process case has a double handle on the top and a front screen |
| Heat dissipation mode | CPU and GPU customized liquid cooling system |
| operating system | Support Ubuntu system, windows10/11/server system |
| work environment | Working temperature range: 100-35°C Non-working temperature range: -40 to 70°C Working relative humidity range: 8% -90% (non-condensing) Non-working relative humidity range: 5%-95% (non-condensable) |

application scenarios

- AI training and reasoning
- Scientific computing
- Scientific data analysis
- Construction BIM
- Industrial CAD design
- Graphic design
- Video post-processing