

150kW/4U

L2L In-Rack CDU



The 150 kW 4U CDU is a compact liquid cooling core unit installed in a standard 19-inch server rack, with a height of 4U.

The 4U CDU is an optimal solution for addressing the heat dissipation bottleneck of high heat density computing such as AI large models and high-performance computing (HPC). Within an extremely compact 4U space, it provides high cooling capacity, featuring high density, high efficiency, high reliability, and ease of deployment, and serves as a key infrastructure for the transition from air cooling to liquid cooling in data centers.

ADVANTAGE



PUMP REDUNDANCY & MONITORING AND CONTROL

Equipped with two pumps, supporting cyclic operation and automatic switchover in case of failure.

Supports local and remote system parameter configuration, operating status monitoring, runtime recording, and alarm information inquiry. System parameters and fault data are automatically stored and retained after power loss.



RACK-MOUNT DESIGN

Standard 4U rack-mounted design enables easy installation and reduces retrofit complexity in existing data centers. Dual-pump configuration allows convenient maintenance and replacement, improving overall system reliability.

SPECIFICATION

Technical parameter	150kW / 4U / L2L CDU
Rated cooling capacity	152 kW @ 4.0°C ATD
Maximum flow rate – single pump operation	152L/min, external pressure difference 2.0bar
Maximum flow rate – dual pump operation for N+ redundancy	230L/min, external pressure difference 3.4bar
Secondary coolant type	Pure water or PG25
Pump redundancy	Single pump (N) / dual pump (N+N) / dual pump switchover
Primary pressure drop	0.8 bar (PG25) under typical conditions (150L/min)
Secondary coolant temperature range	10–55°C, with dew point control standard
Maximum power consumption	1.5 kW (Single pump) 2.7 kW (Dual pump)
Dimensions (H×W×D) and weight	178mmx450mmx1055mm, 90kg
Noise level at 3m (10ft)	< 54 dBA
Power supply (Europe, Asia and Taiwan)	220–270 V 50/60 Hz or DC48V
Dual power supply (ATS)	Optional features
Primary connections	Rear, 1-inch sanitary flange
Secondary connections	Rear, 1-inch sanitary flange
Secondary filtration	Optional 50um/20um
Communication	RS485 RTU modbus, TCP/IP SNMP