

Category Award AI Computing & Tech

High Heat Exchange Efficiency Cooling Distribution Units



Auras Technology Co., Ltd.
雙鴻科技股份有限公司



Winning Reason

Our high-performance Cooling Distribution Units (CDU) are engineered in both Rack-mount and In-Row configurations to suit diverse data center layouts. By integrating seamlessly with building manifolds, the system automatically detects environmental anomalies and dynamically adjusts fluid flow rates to achieve precise thermal management objectives. Combining advanced heat exchange principles with standardized operating procedures and a remote monitoring interface, our solution demonstrates industry-leading expertise in liquid-cooling efficiency for modern data centers.

Product Feature

The concept of this high-efficiency heat exchange cooling water distribution system is as follows: the primary loop is the equipment-side loop, and the secondary loop is the server system-side loop. Through optimized piping design, the uniformity of CDU and heat transfer efficiency of each branch heat exchanger are improved. Furthermore, the introduction of AI control algorithms enables the CDU system to achieve energy savings through intelligent control based on actual application conditions. Precise software and firmware control system integration and repeated parameter verification ensure the control system is adjusted to optimal parameters for a more efficient user experience.

<https://bcaward.computex.biz/>