Category Award

AIR-420 Edge AI Application Server

ADVANTECH

Advantech Co., Ltd.
研華股份有限公司

[Company Website](#)

Winning Reason

The AIR-420 edge AI application server features an innovative structure and silent design. It supports aiSSD and expanded GPU memory for LLM fine-tuning training, offering no-code model fine-tuning settings and real-time LLM fine-tuning training status. Advantech's aiDAPTIV middleware moves data to aiSSD, freeing up space for batch processing input data when GPU memory is only needed to process part of the model. This enhances GPU training performance and saves GPU power consumption. With functionality priced at only 20%, it offers customers excellent cost-effectiveness and value.

Product Feature

The AIR-420 is an innovative design centered around AI-accelerated graphics cards. By optimizing the CPU and PCIe slot configuration and incorporating a redundant power supply module, it achieves the industry's smallest volume (28.6 liters) while accommodating two RTX 5090 graphics cards, delivering a highly reliable edge artificial intelligence application system.

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