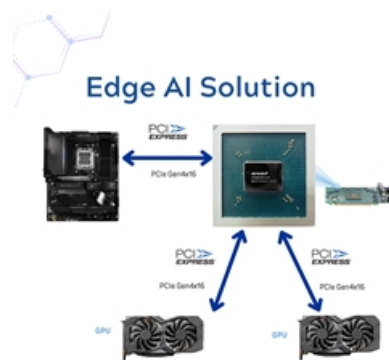


Golden Award IC & Components

Edge AI Multi-Port High-Speed Switch IC



ASMedia Technology Inc
祥碩科技股份有限公司



Winning Reason

ASMedia's Edge AI Multi-port high-speed switch IC provides high-density, high-speed switching for AI systems, enabling seamless high-bandwidth data exchange across multiple devices while supporting Edge AI accelerators and P2P compute integration. Developed on a 28nm process, this IC successfully overcomes complex multi-die packaging and thermal management challenges. While competitors like Broadcom and Microchip often face limitations such as high costs and a lack of customization, ASMedia offers a superior alternative characterized by greater flexibility, energy efficiency, and a highly integrated, tailored design.

Product Feature

★High Performance & Scalability Offers 6 to 80 lane solutions with PCIe Gen3/Gen4 support. Ideal for AI accelerators, storage arrays, and edge computing. ★Compatibility & Customization Supports multiple CPU platforms and major interfaces. Lane configurations and switching strategies can be fully tailored to specific application needs. ★Innovative Energy Saving Enables independent power management for individual devices. Specific components can enter or exit low-power modes without affecting others, significantly boosting energy efficiency. ★Optimized Technical Integration Integrates SRIS, DPC, and built-in clock buffers into a single controller. This high level of integration simplifies system design and delivers the lowest total system cost.