Category Award

Enterprise Edge AI Switch IC

REALTEK

Realtek Semiconductor Corp.
瑞昱半導體股份有限公司

Company Website

Winning Reason

Realtek's RTL9335 is designed to meet the demands of next-generation network computing. It features independently developed 25G SerDes technology, achieving a single-port bandwidth of 100Gbps and a total bandwidth of 640Gbps. This chip offers high bandwidth, low latency, and efficient packet processing, with a built-in vector instruction set. It can also be combined with an external XPU to further develop network AI software and hardware platforms. As an enterprise-grade TSN Switch IC, it provides flexible edge AI computing expansion and a versatile advanced design, making it suitable for various applications in enterprise and telecommunications markets.

Product Feature

High Bandwidth and Low Latency Transmission Supports 24 10Gbps downlink ports and 4 100Gbps uplink ports, providing total bandwidth 640Gbps high-speed transmission for edge AI computing Comprehensive Layer 2 & Layer 3 Functionality Includes VLAN Translation, Link Aggregation, IP-MAC binding, ECMP, VRF and more High-Performance Packet Processing Features an innovative design with flexible packet flow tables, which forward packets based on policies, significantly enhancing server performance and reducing packet transmission latency Advanced Network Virtualization Technology, EVPN This virtualization technology can virtualize the network configuration of multiple traditional devices into a single device, greatly reducing management complexity and increasing operational reliability