

**Complementing SoMs, including
NVIDIA, Qualcomm, NXP, Xilinx,
to unleash AI Performance.**



Airjet PAKs are available in a range of sizes designed for easy integration into enclosures and applications using System on Module AI Computers. A fully integrated, self-contained, plug and play cooling solution, Airjet PAKs enable the performance needed for AI processing on the Edge in smaller, silent, lighter, vibration free, dustproof and water resistant, compact devices.

Solid-State Active Cooling Accelerating Performance of Edge AI

- Fully self contained, plug and play thermal solutions
- Autonomous operation
- Vibration free, dustproof and water resistant (IP53)
- Supports up to 100 TOPS
- Dissipates up to 25W of Heat

Many applications demand real-time Edge AI processing capability to make split-second decisions.

Running AI inferencing at the Edge for increasingly complex AI models, like stable diffusion, transformers and large language models (LLMs) and AI vision, is critical for reduced latency and data privacy, but requires ever greater Edge processing performance.

Without adequate heat dissipation capability, the Edge AI processors are forced to throttle significantly reducing performance. Utilizing fans to solve this problem leads to bulky, noisy and dust prone devices.

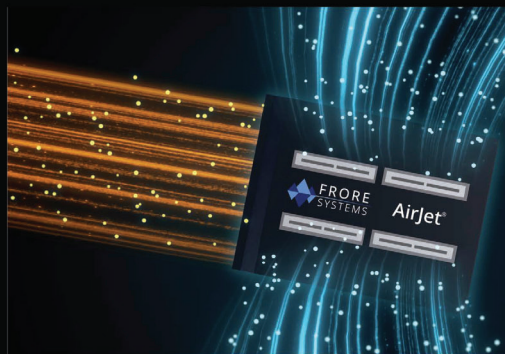
Using AirJet by Frore Systems, replacing fans, unlocks Edge AI performance in faster, quieter, thinner, lighter, vibration free, dustproof, and water resistant devices.



www.froresystems.com



The World's First Solid-State Active Cooling Cartridges



Making Edge AI Devices

Faster
Quieter
Thinner
Lighter
Dustproof
Vibration Free
Water Resistant



Edge AI requires running increasingly complex AI algorithms and models directly on edge devices and is rapidly transforming global industry. Edge AI requires higher processor performance in increasingly compact form factors which inevitably means increased heat. Airjet PAK, with Airjet the world's first solid-state active cooling chip is silent, thin, light, vibration free, dustproof, water resistant and out performs fans. Airjet unleashes the enhanced performance needed across many different industries, to realize the full potential of today and tomorrow's Edge AI applications in industries like...



Transportation and Logistics

- Fleet Management
- Warehouse Autonomous Robots
- Cargo Receiving Inspection
- Smart Picking & Sorting
- Marine & Dock Safety



Smart Retail

Last Mile Delivery Robot
Automated Checkout
Inventory Management
Store Traffic Analytics
Digital Signage



Healthcare and Life Science

- Medical Diagnostics
- Digital Pathology
- Patient Care
- Surgical Robots
- Digital Health Monitoring



Industrial Manufacturing

- Industrial Inspection & Quality Control
- Remote Intelligent Operation
- Materials Handling
- Drone Field Inspection
- Preventive Maintenance



Smart City

- Airport Traffic Management
- Traffic Flow Management
- Number Plate Detection
- Perimeter Protection
- Smart Parking Systems



Agriculture

- Autonomous Tractors
- AI Harvest
- AI Pollinators
- Livestock Health Management
- Selective Spraying Systems

