

Industry recognizes Frore Systems and Waterproof AirJet® Mini *Sport* with Prestigious 'Most Innovative Technology' Award



At The Future of Memory and Storage Conference 2024, Frore Systems received the Best of Show - Most Innovative Technology Award for AirJet® Mini Sport, the world's first waterproof solid-state active cooling chip.

Santa Clara, CA , August 6, 2024 – Frore Systems is proud to announce that the AirJet Mini *Sport* has been awarded the prestigious 'Best of Show - Most Innovative Technology Award' at FMS: the Future of Memory and Storage Summit - the industry's largest annual event held in Silicon Valley, CA. The new waterproof AirJet Mini *Sport* enables significant performance boosts in a wide range of IP68 devices like smartphones and action cameras, achieving performance increases of up to 80% while remaining waterproof and dustproof - without having to compromise on the small form factor users love. At FMS2024, the company is demonstrating the award winning AirJet Mini *Sport* integrated into an 8TB M2 Thunderbolt SSD accessory achieving a 3x increase in sustained performance, while protecting the SSD from water and dust.

"We are honored to receive the 'Most Innovative Technology - Best of Show Award' at FMS for the waterproof AirJet® Mini *Sport*." said Dr. Seshu Madhavapeddy, founder and CEO of Frore Systems. "This coveted award further illustrates the incredibly wide range of applications for AirJet. Whether in action cameras, smartphones, tablet, notebooks, mini-PCs, AR/VR headsets, Wifi access points, or SSD devices, consumers are demanding increased performance and AI capabilities in compact devices they can use on land or in water. AirJet Mini *Sport* unleashes waterproof IP68 device performance everywhere, enabling users to do more."

The demand for increased performance has surged dramatically, driven by advancements in Edge AI and On-Device AI applications. While the latest processors and SSDs can deliver mind blowing performance, within seconds they are forced to throttle, or slow down, to prevent overheating which can cause severe damage. Traditional active cooling - using fans which are bulky, noisy and pull dust into devices - falls short. Fan based cooling is not waterproof or dustproof, it is noisy and is unable to remove heat adequately to meet the growing demand for increased performance.

The AirJet Mini *Sport* meets the rigorous IP68 standards, demonstrating full performance after submersion in over 1.5 meters of water for 30 minutes. AirJet Mini *Sport* significantly increases performance in compact devices, enhancing AI processing capabilities in faster, silent, thinner, lighter, vibration free, dustproof and waterproof devices that can be used in any environment.

"Consumers are often faced with the need for their storage to operate in extreme conditions on hot, wet or dusty land or potentially submerged under water," said Jay Kramer, Chairman of the Awards Program and President of Network Storage Advisors Inc. "We are proud to recognize Frore Systems AirJet Mini Sport, a unique waterproof cooling solution with dozens of patents, as a key differentiator for not only 8TB M.2 Thunderbolt SSDs, but as a solution that can solve the challenge of heat in hundreds of different applications."

Frore Systems, a member of the NVIDIA Inception Program, also recently announced another industry first, the AirJet®PAK. The AirJet®PAKs are plug-and-play active cooling solutions that are only 6mm thick and complement NVIDIA's Jetson Orin system-on-modules. AirJet PAKs are available in multiple sizes removing up to 25 watts of heat and supporting up to 100 TOPS.

The new waterproof AirJet Mini *Sport*, AirJet Mini Slim, and AirJet PAK, will be on display at the Future of Memory and Storage Conference, Booth 825 from Tuesday August 6 to Thursday August 8 at the Santa Clara Convention Center in San Jose, CA.

About Frore Systems

Frore Systems is the developer of breakthrough thermal technology for electronic and consumer devices. The company's active cooling solutions, the AirJet®Mini, AirJet®Mini Slim, AirJet®Mini *Sport*, and AirJet®PAKs, are integrated into devices to remove heat silently, resulting in major performance gains and enabling thinner, lighter, silent, vibration free, dustproof and waterproof devices. Frore Systems is headquartered in San Jose, CA with an office and manufacturing facility in Taiwan. For more information, please visit <https://froresystems.com/>

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About FMS: the Future of Memory and Storage

FMS: the Future of Memory and Storage, an annual event based in Silicon Valley CA, is the world's largest conference and exhibition dedicated to the latest trends, innovations, and influencers driving the adoption of high-speed memory and storage technologies. It covers applications within AI, enterprise IT infrastructure, High Bandwidth Memory (HBM), cloud environments, high-performance computing, and mobile and embedded systems. FMS also showcases cutting-edge technology trends that drive the multi-billion-dollar high-speed memory, storage, SSD, and HDD markets. FMS brings together customers, IT professionals, analysts, and industry leaders to explore the forefront of memory and storage. For more information visit FutureMemoryStorage.com

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AirJet® Mini Sport

The Waterproof Solid-State Active Cooling Chip that boosts performance up to 80% in IP68 Mobile Devices

Unleashing the Performance of Mobile Devices on Land and in Water

What does IP68 Mean

Ingress protection ratings (aka international protection ratings) are a standard set forth by the International Electrotechnical Commission. According to the organization, the codes are designed as a "system for classifying the degrees of protection provided by the enclosures of electrical equipment.

The first number in the rating code represents the amount of protection provided against the entry of foreign solid objects, such as sand or dust. These protection levels range from a low of 0 to a high of 6.

The second number represents the degree of protection against the entry of moisture or liquid, with protection levels ranging from a low of 0 to a high of 9.

Ingress protection (IP) ratings guide

IP ratings are represented by combining the first and second digits of the below columns

1st numeral - solid foreign objects			2nd numeral - water		
0	No protection		0	No protection	
1	Protected against solid foreign objects of 50 mm Ø and greater		1	Protected against vertically falling water drops	
2	Protected against solid foreign objects of 12,5 mm Ø and greater		2	Protected against vertically falling water drops when enclosure tilted up to 15°	
3	Protected against solid foreign objects of 2,5 mm Ø and greater		3	Protected against spraying water	
4	Protected against solid foreign objects of 1,0 mm Ø and greater		4	Protected against splashing water	
5	Dust-protected		5	Protected against water jets	
6	Dust-tight		6	Protected against powerful water jets	
Example:  IP 65 Protected against water jets Dust-tight			7	Protected against the effects of temporary immersion in water	
			8	Protected against the effects of continuous immersion in water	
			9	Protected against high pressure and temperature water jets	

Source: International Electrotechnical Commission