

Ventiva®

Thermal Management Subsystem

Thin, Silent & Totally Cool

Ventiva® is changing the way electronic devices are designed, providing higher levels of performance without compromise. Our ionic cooling technology cools devices without moving parts, noise, vibration, or dust, delivering cooling where fans can't fit. It enables reliable, modular, and scalable thermal management solutions that open up 80% more space and design flexibility.

The Ventiva thermal management subsystem eliminates the need for mechanical fans, with intelligent software control that allows it to act as an advanced air quality detector, detecting and defeating dust and airborne contaminants. Its space-efficient form factor not only supports sleek, thin designs but also provides the flexibility to integrate additional functionalities into products.

With Ventiva, your thermal performance is redefined: Uncompromised. Unconstrained. Unlimited.

Silent Efficiency

- ✓ Inaudible at <15 dBA, quieter than a whisper
- ✓ No moving parts during operation
- ✓ Vibration free

Design Flexibility

- ✓ Small form factor fits where traditional blowers cannot
- ✓ Highly-variable width allows for customized solutions
- ✓ Suitable for handheld, headsets, other low-profile devices

Air Intelligence

- ✓ Reacts to and solves for issues with its own health
- ✓ Responsive to its environment
- ✓ Feeds back critical information to optimize system performance

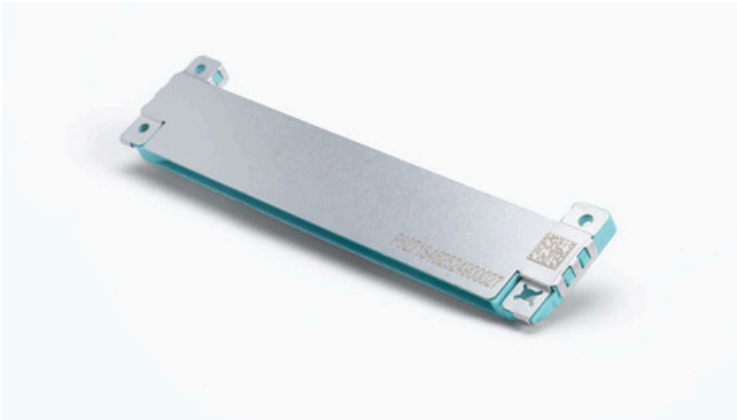
Ready to Build Quieter and Smaller Devices?

Modular & Flexible

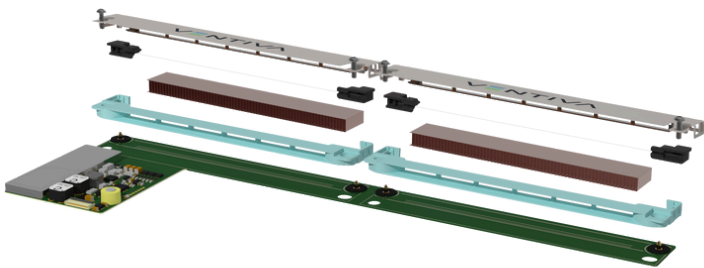
The Ventiva thermal subsystem is redefining system design. The fully-integrated solution fits easily within the chassis of a laptop design and is comprised of a Ventiva device, fin stack, and vapor chamber or heat pipe.

Multiple devices can be placed anywhere to address system hotspots, eliminating layout constraints. They can be mixed, matched, and stacked to fit your system cooling needs.

With its small, flexible footprint, the Ventiva subsystem frees up space for additional compute, battery power, and more. And its intelligent software optimizes cooling with “air intelligence”, ensuring better thermal management, more system insight, and energy efficiency.



Ventiva ionic cooling devices generate air movement without moving parts, noise or vibration.



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KEY ADVANTAGES

FEATURES	SPECIFICATIONS
Power input source	Laptop battery compatible (9–20V)
Power consumption	.6W to 3.7W (powers up to 3 ICE devices)
Max. airflow	>3 CFM (1.02 CFM p/device)
Max. static pressure p/device	14 pascals (EHD best in class)
Noise	Noiseless (<15 dBA)
Ozone at user	Low (<25 ppB)
Rec. operating area @ max power	0–70c; 0–65% RH; 10k ft. altitude
Lifetime	≥30k hours; field replaceable
Dimensions	X-length: from 37mm to 94mm Y-width: 15.5mm Z-height: 4.4mm

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