COMPUTE
BLADE

uptime
industries

Heatsink CM4

HIGH EFFICIENT COMPUTE BLADE COOLING

Designed and engineered specifically for the Compute Blade, it doesn't limit your Compute Blade access and provides optimized heat removal.

The aluminum Heat Sink is meticulously engineered to provide maximum heat dissipation, ensuring that your Compute Blade operates at optimal temperatures. Its sleek design not only complements the aesthetics of your setup but also contributes to the longevity and stability of your system.

Key Features
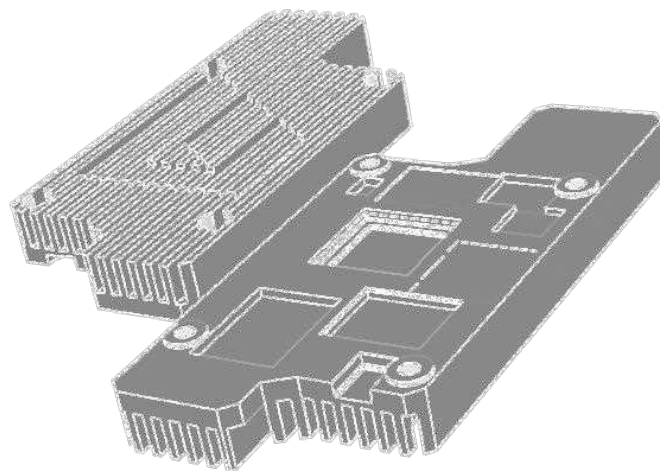
Integrates within Compute Blade

Thermal Conductivity 229 W/mK

Optimized heat removal

Specifications

Compability	Compute Blade V0.9 RC2, V1.0 mk1, V1.0 mk4-k, V1.0 mk4
Dimensions	40mm x 86mm x 9mm

Compute Blade Platform Applications

Home labs

An enterprise-level homelab experience that you can use to build, play with, and explore new technologies

Hosting provider

Provide dedicated resources and isolate customer machines on a physical layer, to protect against modern CPU/hypervisor exploits.

Edge servers

Reduce latency and extend compute power to make your processes leaner, more efficient, and more cost-effective.

CI/CD systems and Automated tests

Perform performance tests on dedicated hardware for results far more stable than running tests on virtual machines.

Stateless Computing

Seamlessly deploy specialized stateless computing platforms, such as OpenFaaS, onto the blades to enhance functionality and performance.

High Availability Computing

Deploy robust, high-availability computing to maintain critical operations and services with minimal downtime.

Smart Homes

Make your home server highly available and increase the possibilities e.g by adding more modules like the Uptime AI-Module.

Private Cloud

Create your own secure, scalable private cloud for efficient data management and tailored IT services.
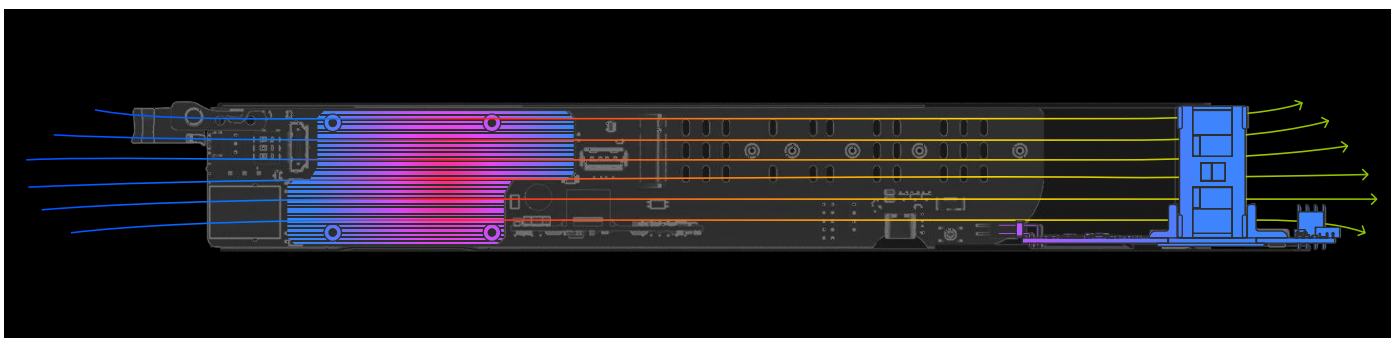
Education

Enhance educational experiences with practical, hands-on tech learning, facilitating innovation and computing skills.


Cool Under Pressure

Our heat sink is the result of extensive testing and optimization, ensuring that your Compute Blade remains cool and efficient, even under the most demanding conditions.


Unlike conventional blade servers, our system eliminates a single point of failure as it doesn't rely on a server platform. While it still uses a PoE network switch (also necessary for blade servers), switches are simpler to replace or keep as spares compared to entire server platforms.

Individual blades can be rebooted or power-cycled by momentarily disabling their switch port power. Thanks to the CM4's network boot feature, re-provisioning and system rescue are straightforward. Each blade is compact, devoid of moving parts, and can be easily shipped without special handling.
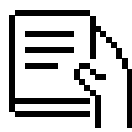
Mechanical

40mm

86mm
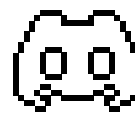
9mm
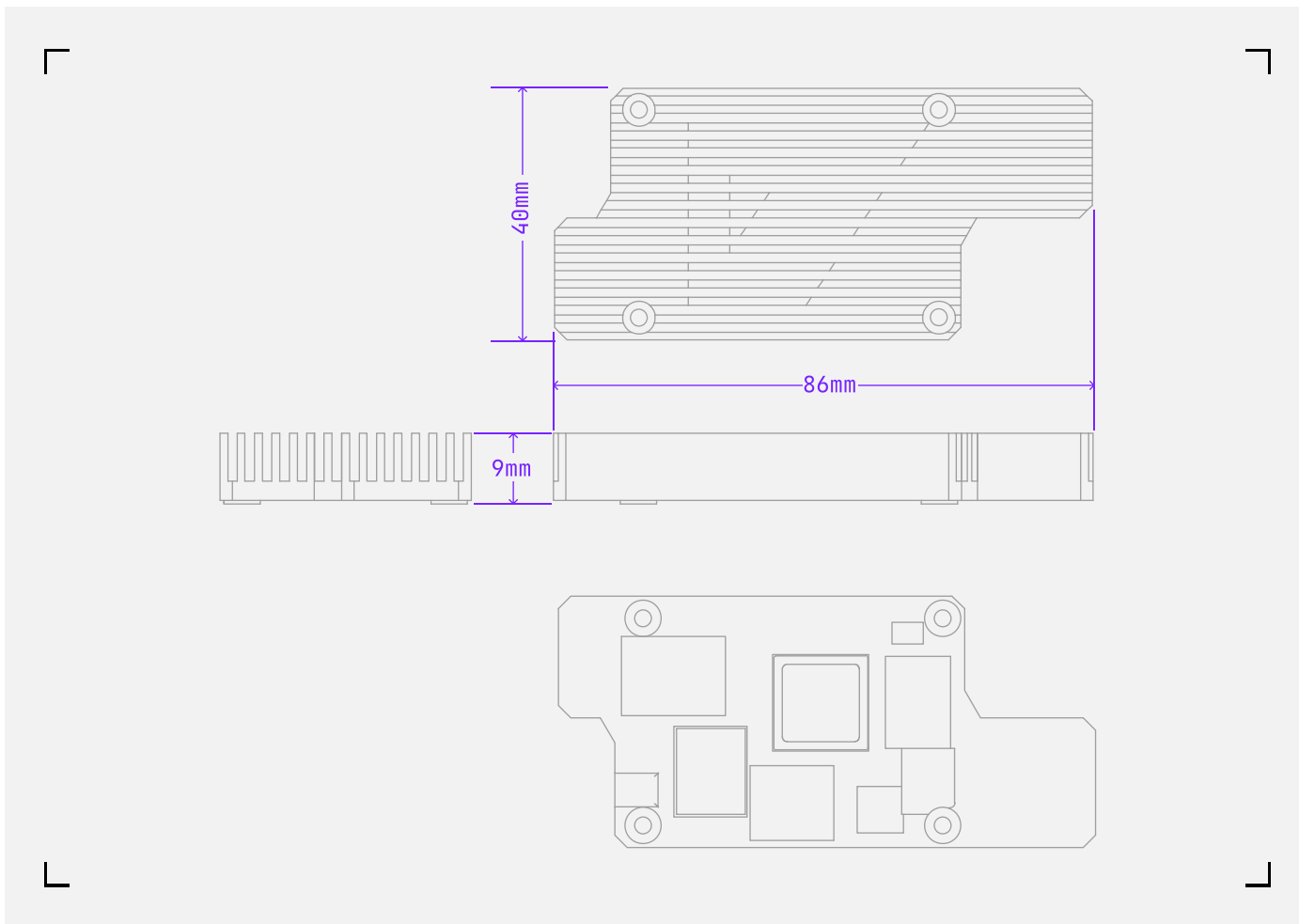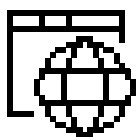
Documentation
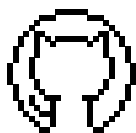
DOCUMENTATION
docs.computeblade.com

GET STARTED
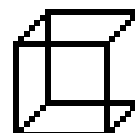docs.computeblade.com/getting-started

DISCORD
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GITHUB
github.com/uptime-industries

DATA SHEETS
https://docs.computeblade.com/data-sheets

3D MODELS
docs.computeblade.com/models