

● IN DEVELOPMENT

SAIOS CUBE

Plug in. Configure. Sync.
Operate.

A modern, deployable SAIOS node designed to make a governed local operating environment repeatable across locations.



AT A GLANCE



All-in-one appliance

A deployable local SAIOS node combining compute, connectivity, and governed operation in one system.



Cloud sync

Intended to synchronize approved services, project state, and controlled updates across locations.



Secure by design

Built around governed configuration, local control, and trust-oriented deployment principles.



Scalable everywhere

Designed to support one node or many locations through a repeatable deployment model.



Serviceable & modular

Envisioned with replaceable modules, accessible service panels, and future hardware flexibility.

What it is

SAIOS Cube is a proposed physical and software deployment model for SAIOS. It is intended to package local compute, configuration, monitoring, governed workflows, and cloud-connected services into a consistent node that can be installed and operated at multiple locations.

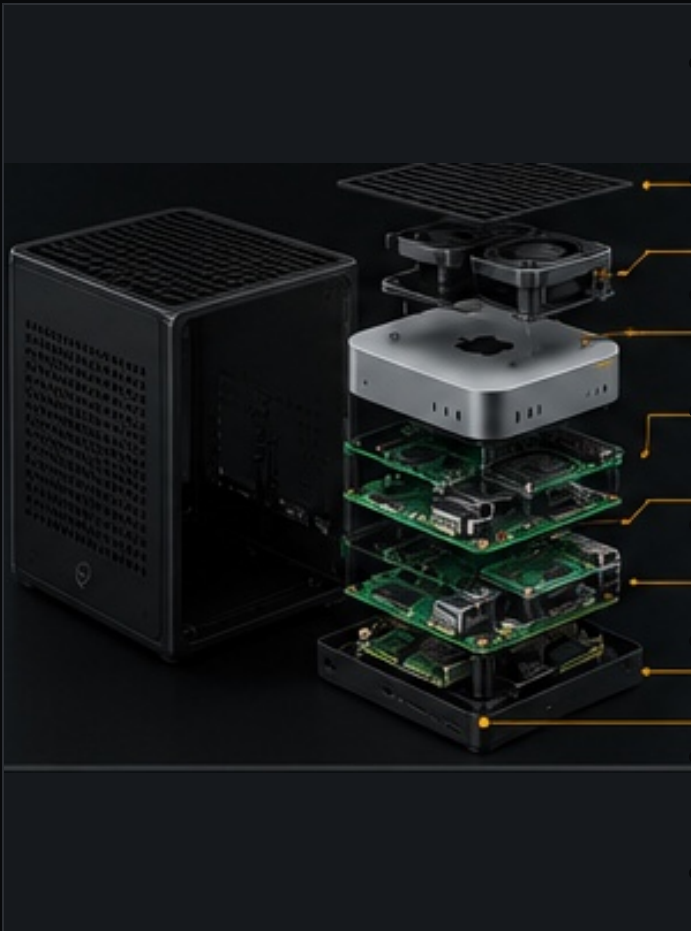
Why it matters

Organizations should not have to reconstruct an AI environment by hand at every location.

- A repeatable deployment standard
- A known hardware and software profile
- Governed local operation
- Controlled synchronization
- Remote visibility
- Consistent updates and recovery
- A foundation for scaling from one site to many

Modular architecture

A proposed internal stack, presented as a concept under active development – not a final mechanical or thermal specification.



Internal cable management and removable, serviceable panels are also part of the proposed design.

- 01 Ventilated top panel
- 02 Active cooling system (concept)
- 03 Replaceable Mac mini compute sled
- 04 Two optional Raspberry Pi 5 compute modules
- 05 One dual-NVMe HAT per Pi module
- 06 Up to four NVMe drives total across both Pi modules, in the illustrated concept
- 07 Internal power and management
- 08 Ventilated base panel

Rear connectivity

A concept visualization of intended rear I/O and service access – not a finalized connector arrangement.



- 01 Power input (AC)
- 02 Thunderbolt 4 / 5 (×3)
- 03 HDMI
- 04 2.5GbE Ethernet
- 05 USB-A 3.2 (×2)
- 06 Service / expansion (reserved)

Modular insertion

An envisioned serviceability concept, not a confirmed mechanical design.



01 Mac mini slide-in tray

02 Pi compute module tray 1

03 Pi compute module tray 2

REMOVABLE ACCESS PANELS

SERVICEABLE BAYS

REPLACEABLE SLEDS

Tool-light or tool-less access is an intended design goal for these bays, not a confirmed mechanical specification.

• INTENDED EXPERIENCE

Plug-and-play operating concept

This is the intended experience SAIOS Cube is being designed toward – not an already-finished commercial onboarding flow.

01 Connect power

03 Open the setup interface

05 Configure the site profile

07 Register the node

02 Connect to the network

04 Authenticate the deployment

06 Enable approved services

08 Begin governed operation

• DEPLOYMENT MODEL

Deployable. Duplicable. Scalable.

One standard. Many locations.

- Studios
- Field environments
- Educational or training environments
- Offices
- Client demonstration sites
- Research labs
- Controlled edge deployments

● STATUS

Development status

SAIOS Cube is currently in development.

The enclosure, internal architecture, thermal design, power design, software packaging, cloud synchronization model, security model, and deployment workflow are being defined and validated.

The concept may evolve as the SAIOS platform, field requirements, security model, and deployment architecture mature.

● COLLABORATION

Building the SAIOS Cube

SAIOS is exploring strategic collaborators, development partners, infrastructure partners, industrial-design partners, pilot sites, manufacturing partners, and funding relationships that can help move the Cube from concept into a validated deployable system.

Concept poster reference

IN DEVELOPMENT

SAIOS CUBE

Plug in. Configure. Sync. Operate.

A modern, deployable SAIOS node designed to make a governed local operating environment repeatable across locations.

DOWNLOAD CONCEPT BRIEF

COLLABORATE WITH US

AT A GLANCE

ALL-IN-ONE APPLIANCE

CLOUD SYNC

SECURE BY DESIGN

SCALABLE EVERYWHERE

SERVICEABLE & MODULAR

WHAT IS THE SAIOS CUBE?

WHO IT IS FOR

KEY CAPABILITIES

TECHNICAL HIGHLIGHTS

Apple silicon (M4 / M5 ready)
High performance, low power

Up to 64GB unified memory (configurable)

Fast SSD storage (configurable)
NVMe

Wi-Fi 6E + 2.5GbE internal networking

Wired USB-C / USB-A / HDMI ports
Local I/O for any workflow

Local services + cloud orchestration
Built for governed operations

Remote management & OTA updates
Always current

Low power. High reliability.
Designed for 24/7

REAR CONNECTIVITY (CONCEPT)

Power Input (AC)

Thunderbolt 4 / 5 (3x)

HDMI

2.5 GbE Ethernet

2x USB-A 3.2

Service / Expansion (Reserved)

MODULAR ARCHITECTURE (CONCEPT)

MODULAR INSERTION (CONCEPT)

PLUG-AND-PLAY EXPERIENCE

DESIGNED FOR TRUST

DEVELOPMENT STATUS

DESIGN PHILOSOPHY

DEPLOYABLE. DUPLICABLE. SCALABLE.

DEVELOPMENT STATUS

COLLABORATE WITH US

LET'S BUILD THE FUTURE

EARLY CONCEPT STUDY

EARLY SAIOS CUBE CONCEPT STUDY

Get in touch

SAIOS is a Robert Santoré / Man Rabbit House LLC initiative.

hello@robertsantore.com

saios.me

SAIOS CUBE IS CURRENTLY IN DEVELOPMENT. THIS DOCUMENT DESCRIBES A PROPOSED CONCEPT, NOT AN AVAILABLE PRODUCT.