

NAVADA

PROTOCOL 26/1

Not a device. A protocol.



NAVADA



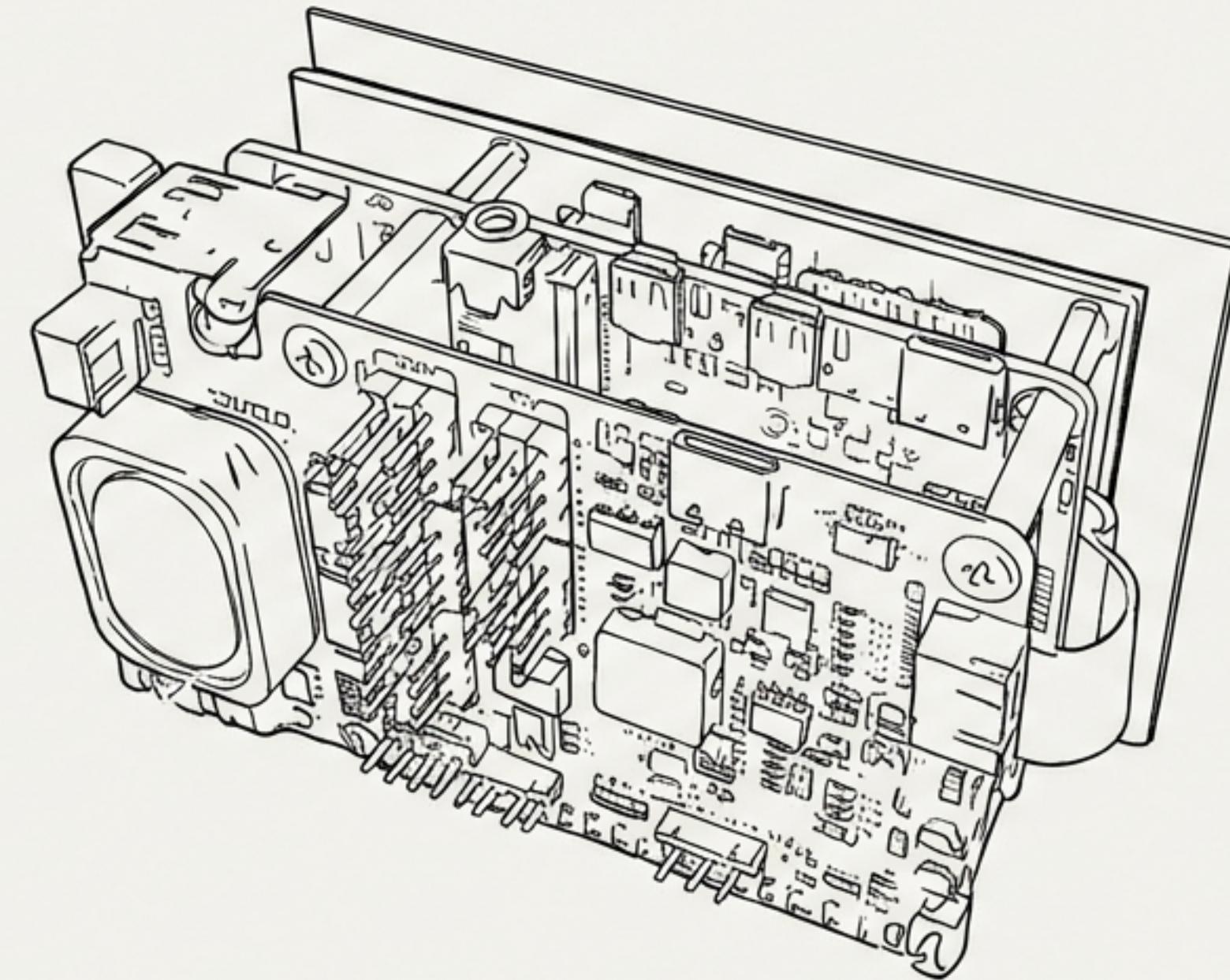
AI Education is Trapped.

Modern learning for artificial intelligence is often:

- **Screen-only:** Lacking physical, tangible interaction.
- **Abstract:** Disconnected from the hardware and systems it runs on.
- **Locked:** Confined within proprietary, closed platforms.



Understand the System by Building the System.



We set out to create a hands-on, physical AI system that anyone can hold, power, modify, break, and rebuild. A system that makes the complex tangible.

Three Core Principles



1. Openness by Default

Every layer—hardware references, enclosure files, software stack, and documentation—is open and inspectable.



2. Learning Through Interaction

Users learn faster when they can talk to, modify, power, break, and rebuild their systems.



3. Culture as a First-Class Feature

The physical expression of the device is user-defined, encouraging cultural identity to coexist with advanced technology.

Introducing NAVADA – PROTOCOL 26/1

An open-source, AI-enabled desktop computing protocol designed to teach how intelligent systems are built—from silicon to software to physical form.

Embedded computing
AI agents and voice interaction
Robotics-grade power management
Desktop Linux workflows
Physical fabrication through 3D printing



The Anatomy of a Protocol

PROTOCOL 26/1 defines a reference implementation across three distinct, open layers.

Physical Fabrication

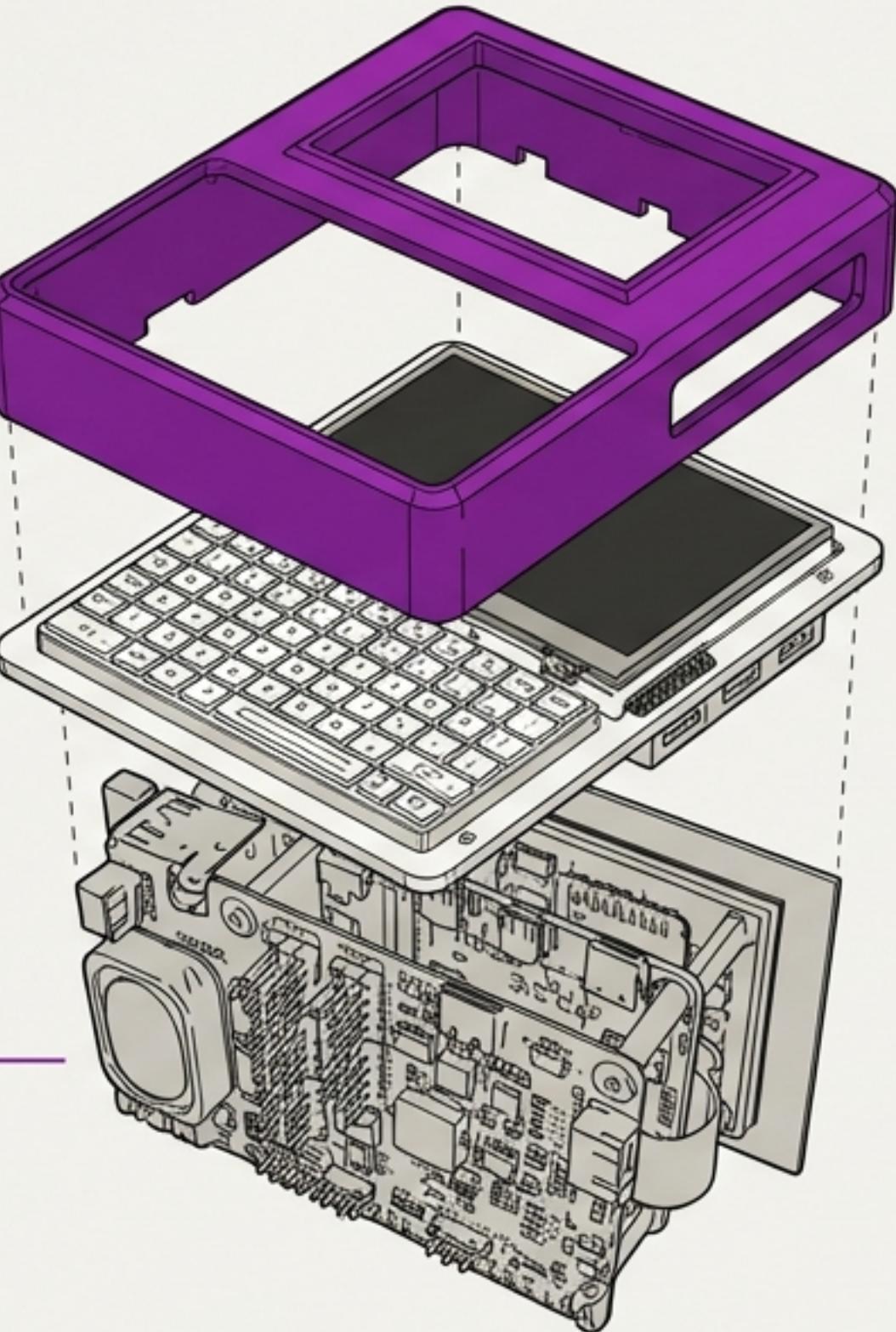
The 3D-printable enclosure.

Software & AI Stack Senfluton

The operating system and agent framework.

Reference Hardware Reference Hardware

The electronic components.



Reference Hardware Specification (v26/1)

IBM Plex Sans Bold

Compute & Storage

- Raspberry Pi 4 Model B
- 120GB microSD storage

Display & Interface

- OSOYOO 3.5" Touchscreen
- Rii Mini Bluetooth Keyboard

Power & Expansion

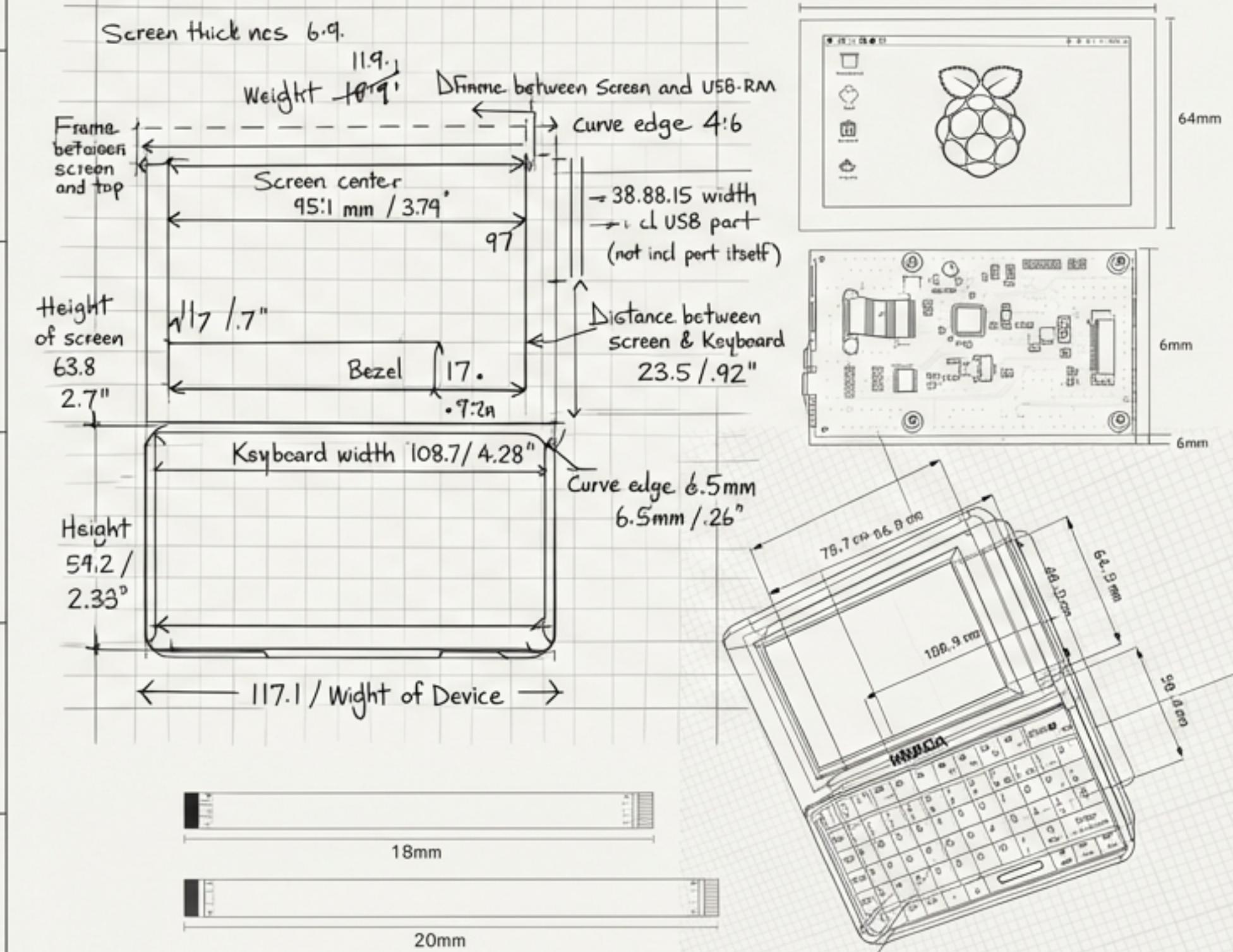
- SunFounder Robot HAT (LiPo battery support, voltage regulation)

Audio & AI Interaction

- Bluetooth speaker
- Mini microphone

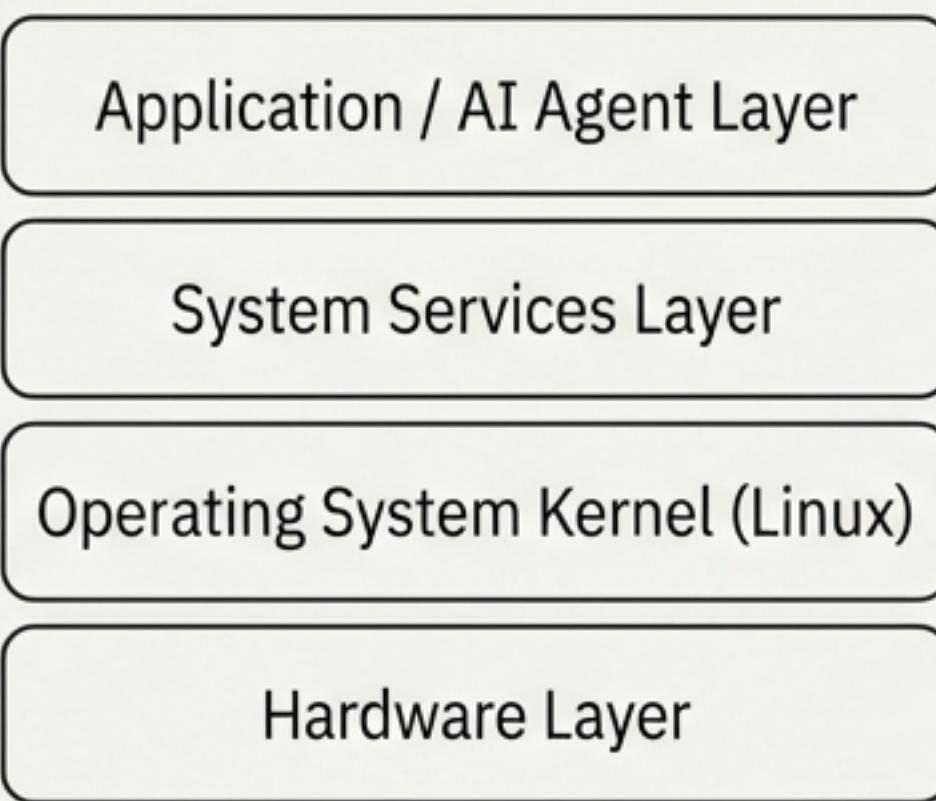
Connectivity

- Bluetooth, Wi-Fi, USB, SSH



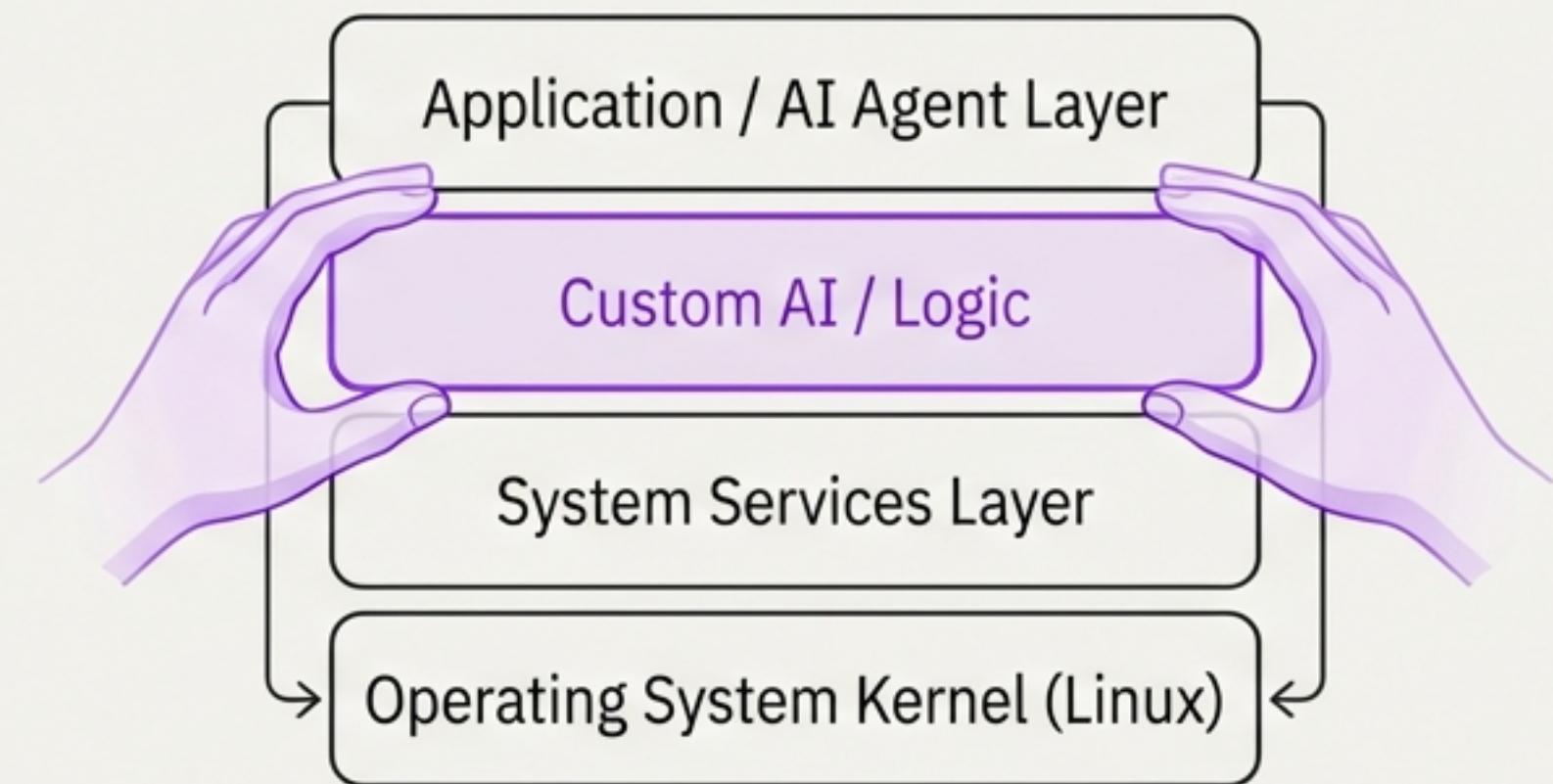
The Software & AI Stack

System Profile



- Linux-first system optimized for:
 - Python development
 - Embedded and robotics workflows
 - AI agent interaction
 - Terminal-driven learning

An Invitation to Modify



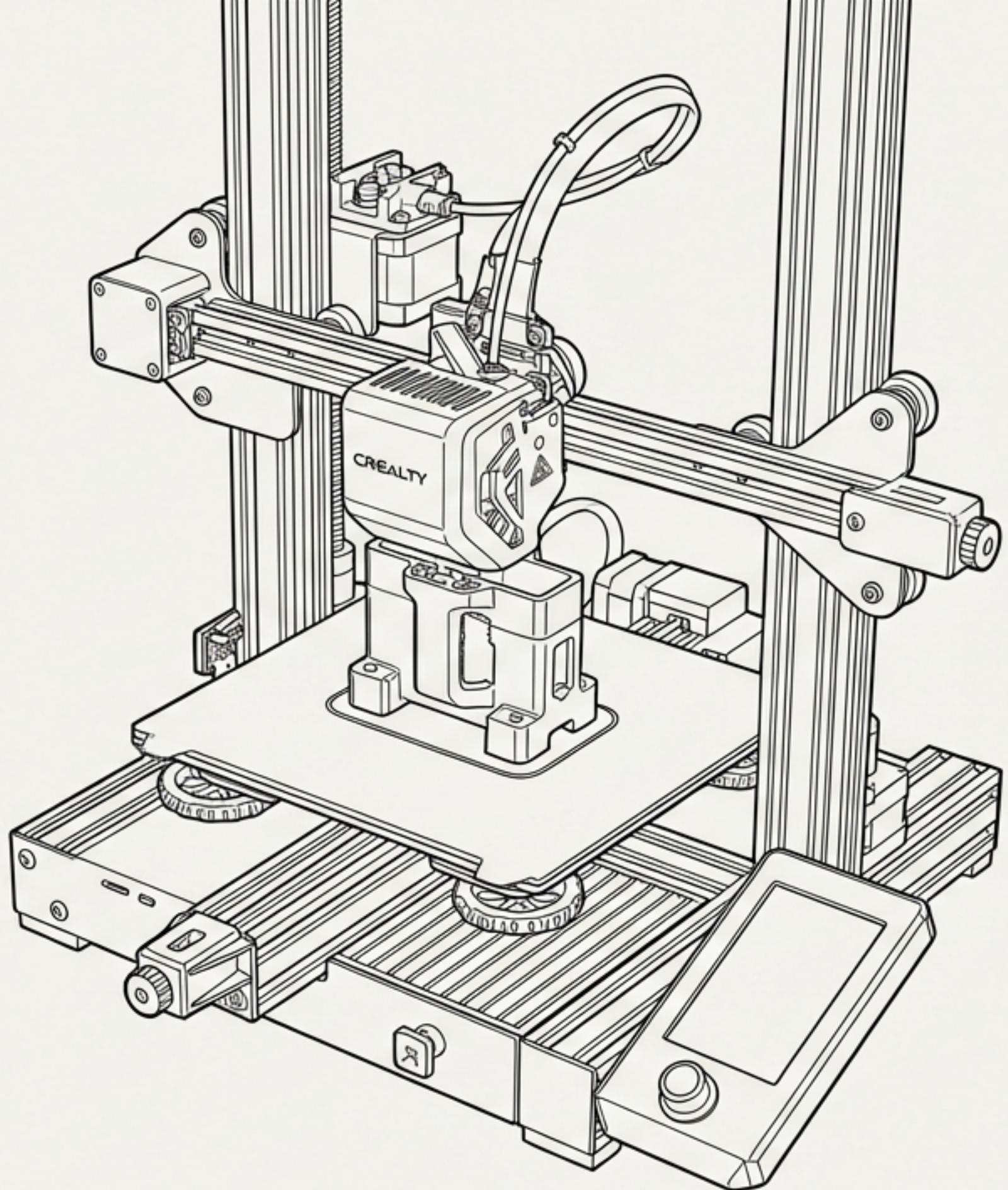
- The platform encourages users to:
 - Modify system services
 - Write your own AI agents
 - Build robotics and sensor extensions
 - Treat AI as a collaborator, not a black box.

Hardware Design is Part of the Journey.

A defining feature of PROTOCOL 26/1 is physical openness. The enclosure is fully 3D printable, modular, and open for remixing.

Users are encouraged to:

- Design cases reflecting personal taste or local culture.
- Adapt the form factor for desks, labs, or field use.
- Share designs back with the community.



A Protocol-First Architecture

The system was designed with a clear, phased methodology.



1. **1. Problem Definition:** Move beyond screen-only, abstract AI education.
2. **2. Hardware Convergence:** Use proven, accessible components to avoid vendor lock-in.
3. **3. Protocol-First Design:** Define clear interfaces and versioned evolution (26/1 is the baseline).
4. **4. AI as an Interface:** Treat AI as a learning companion and system interface, not just an app.
5. **5. Open Source Release:** Publish all files to empower educators, students, and builders.

A Platform for Creation and Discovery

The protocol is designed as a flexible foundation
for a wide range of applications.



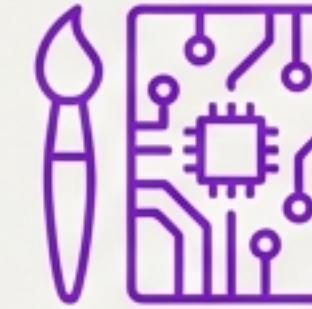
AI & software
education



Robotics
experimentation



Maker and hacker
workstations



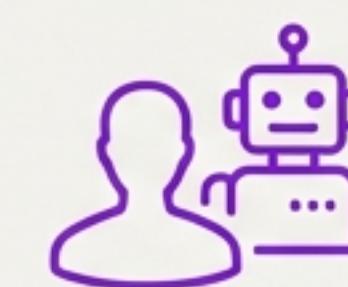
Cultural technology
projects



Classrooms and
makerspaces



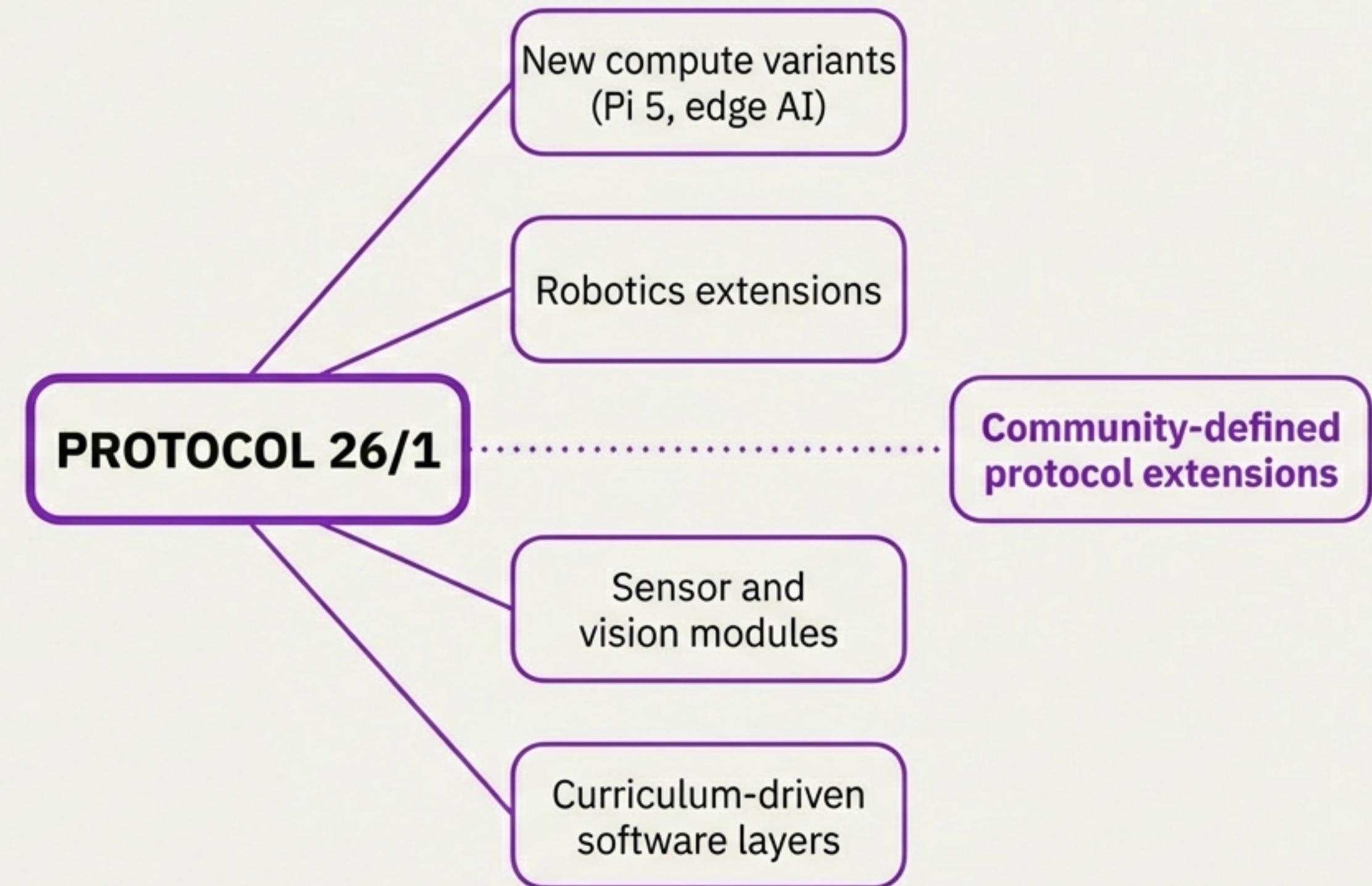
Rapid prototyping
environments



Human–AI interaction
research

The Future is Extensible.

PROTOCOL 26/1 is the first reference implementation. The platform is designed to evolve.



This is an Invitation.

NAVADA – PROTOCOL 26/1 is not a finished product. It is an invitation:

- To learn how intelligent systems **really** work.
- To define your own **interface** with AI.
- To **merge culture, hardware, and intelligence.**

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