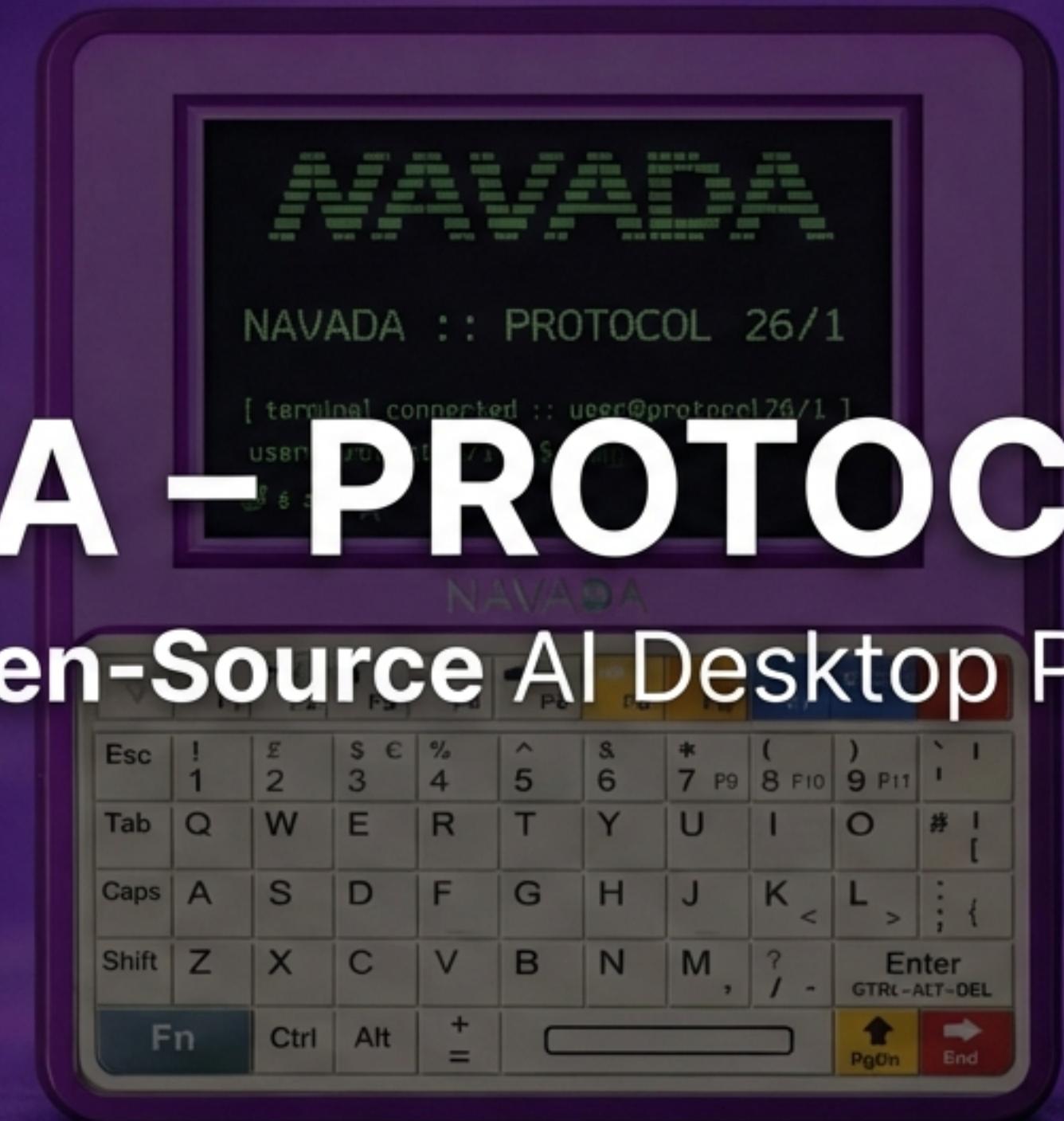


NAVADA - PROTOCOL 26/1

An Open-Source AI Desktop Protocol



Version 26/1 · Raspberry Pi 4B Reference Implementation

Modern AI education is trapped behind the screen.

Today's learning is often:

-  Screen-only
-  Abstract
-  Locked behind closed platforms

We set out to create a physical AI system that users can:

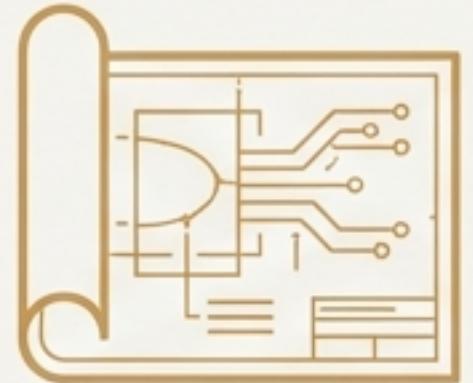
-  Hold
-  Power
-  Modify
-  Break
-  Rebuild

Understand the System by Building the System

Our approach is built on three core principles.

1.

Openness by Default



Openness by Default

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

2.

Learning Through Interaction

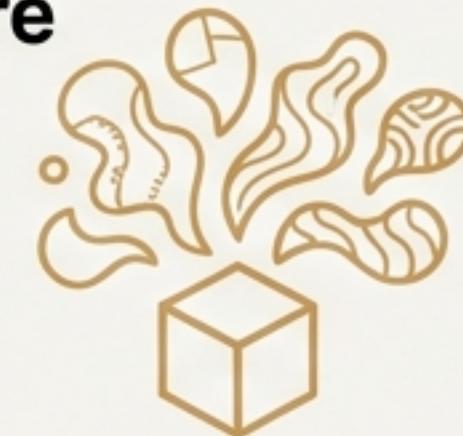


Learning Through Interaction

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

3.

Culture as a First-Class Feature



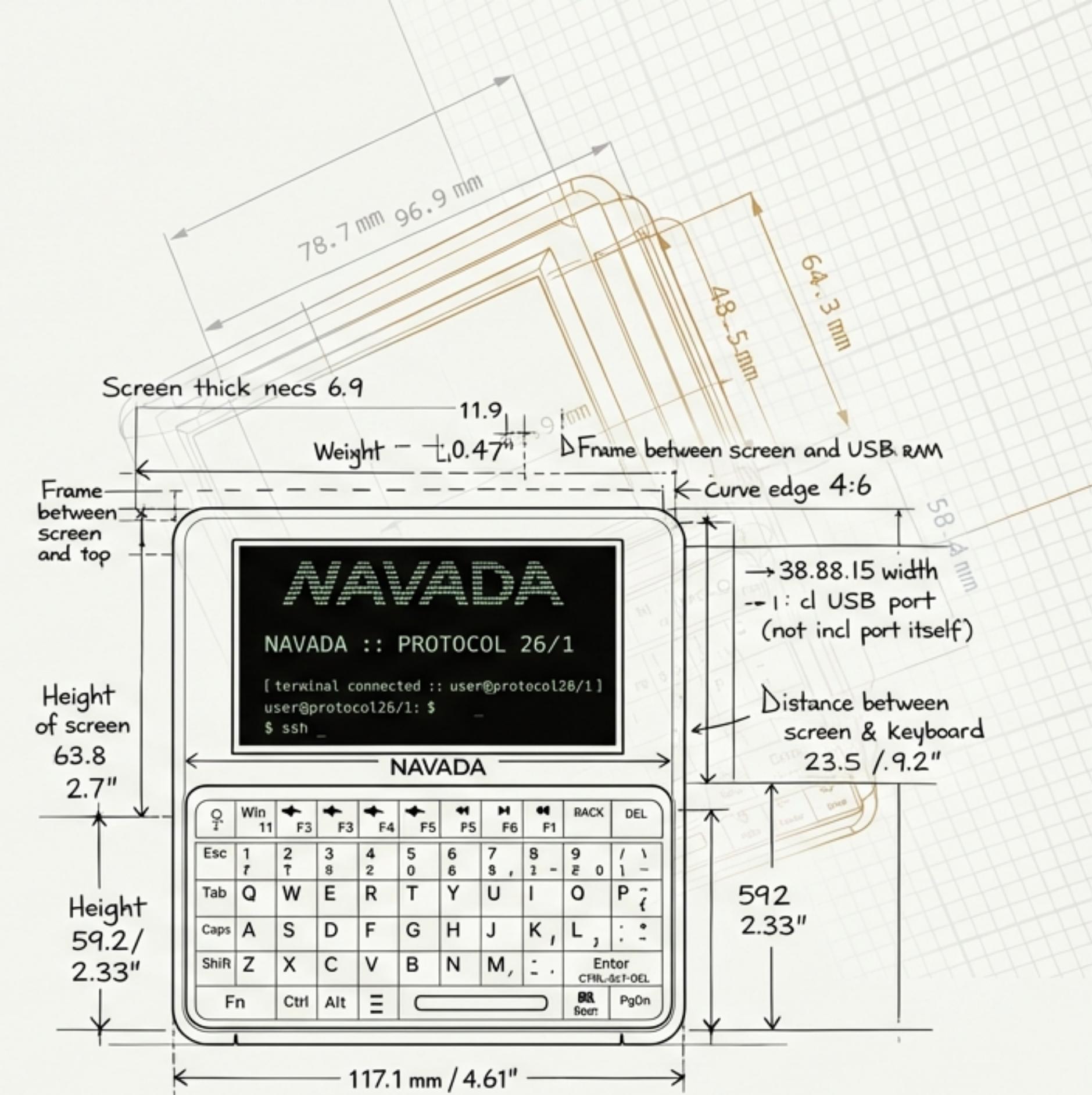
Culture as a First-Class Feature

The enclosure, layout, and physical expression of the device are intentionally user-defined—encouraging cultural identity and local design.

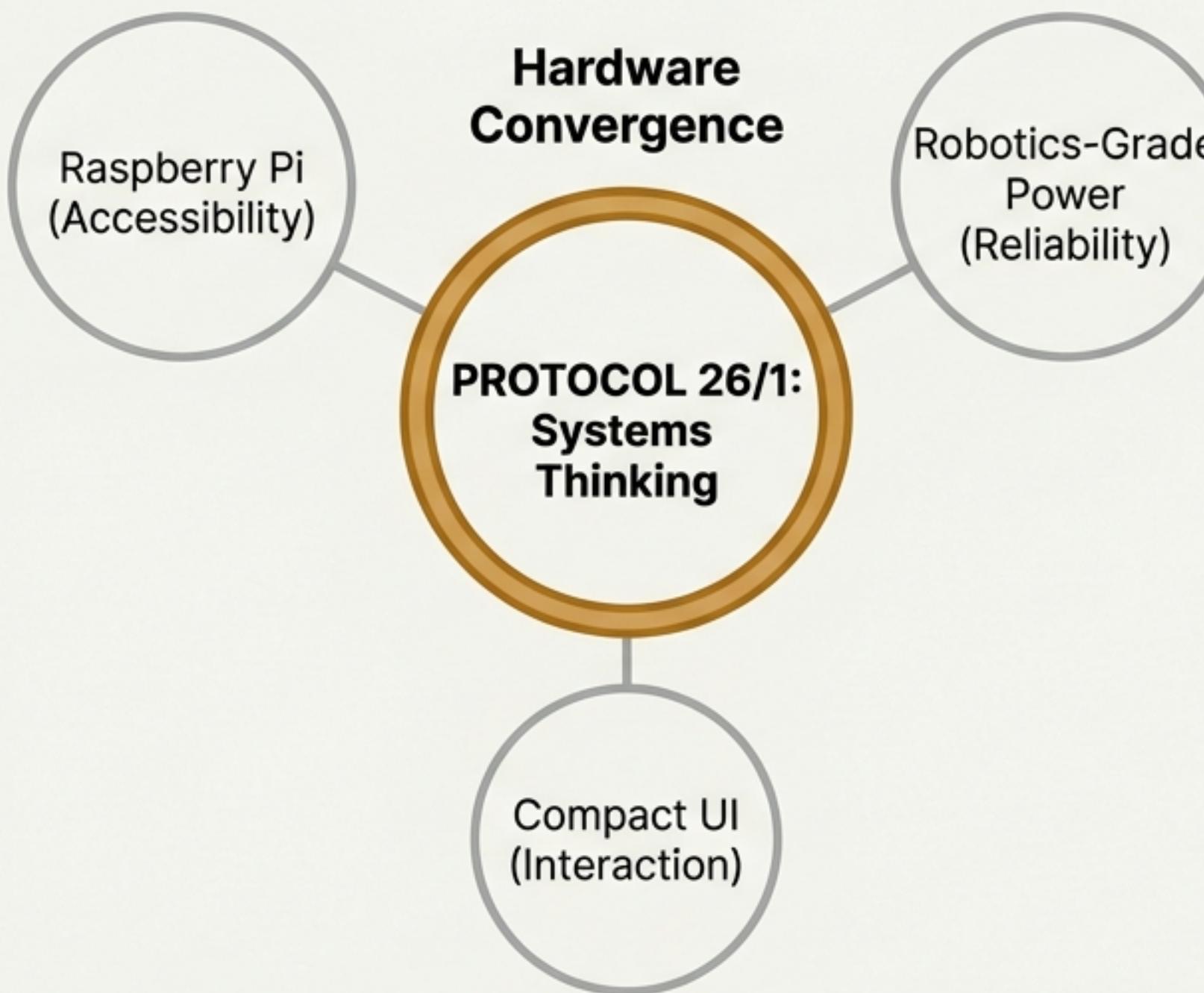
This is not a device. It is a protocol.

We designed the system with a protocol-first architecture. This ensures future compatibility and encourages community evolution. Key elements include:

- Clear interfaces between components
- Replaceable modules
- Versioned evolution (26/1 is the baseline)



We use proven components to focus on systems thinking.

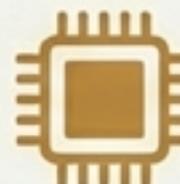


Rather than inventing new silicon, PROTOCOL 26/1 intentionally converges proven, accessible components like the Raspberry Pi and robotics-grade power management.

This allows learners to focus on how a system works, not on vendor lock-in.

PROTOCOL 26/1: The First Reference Implementation

An open-source, AI-enabled desktop computing platform that merges:



Embedded computing



AI agents and voice interaction



Robotics-grade power management



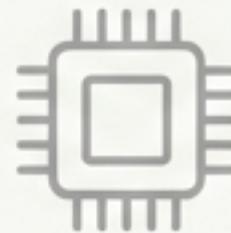
Desktop Linux workflows



Physical fabrication through 3D printing



Reference Hardware Specification



Compute & Storage

- Raspberry Pi 4 Model B
- 120GB microSD



Power & Expansion

- SunFounder Robot HAT
- LiPo battery support
- Voltage regulation and protection



Display & Interface

- OSOYOO 3.5" Touchscreen
- Rii Mini Bluetooth Keyboard



Audio & AI Interaction

- Bluetooth speaker
- Mini microphone



Connectivity

- Bluetooth
- Wi-Fi
- USB
- SSH access

A Linux-first system for development and interaction.

Capabilities

- Ships optimized for Python and robotics workflows.
- Supports local AI and cloud-connected agents.
- Full voice input and audio output.
- Remote access via SSH for terminal-driven learning.

The Platform Encourages

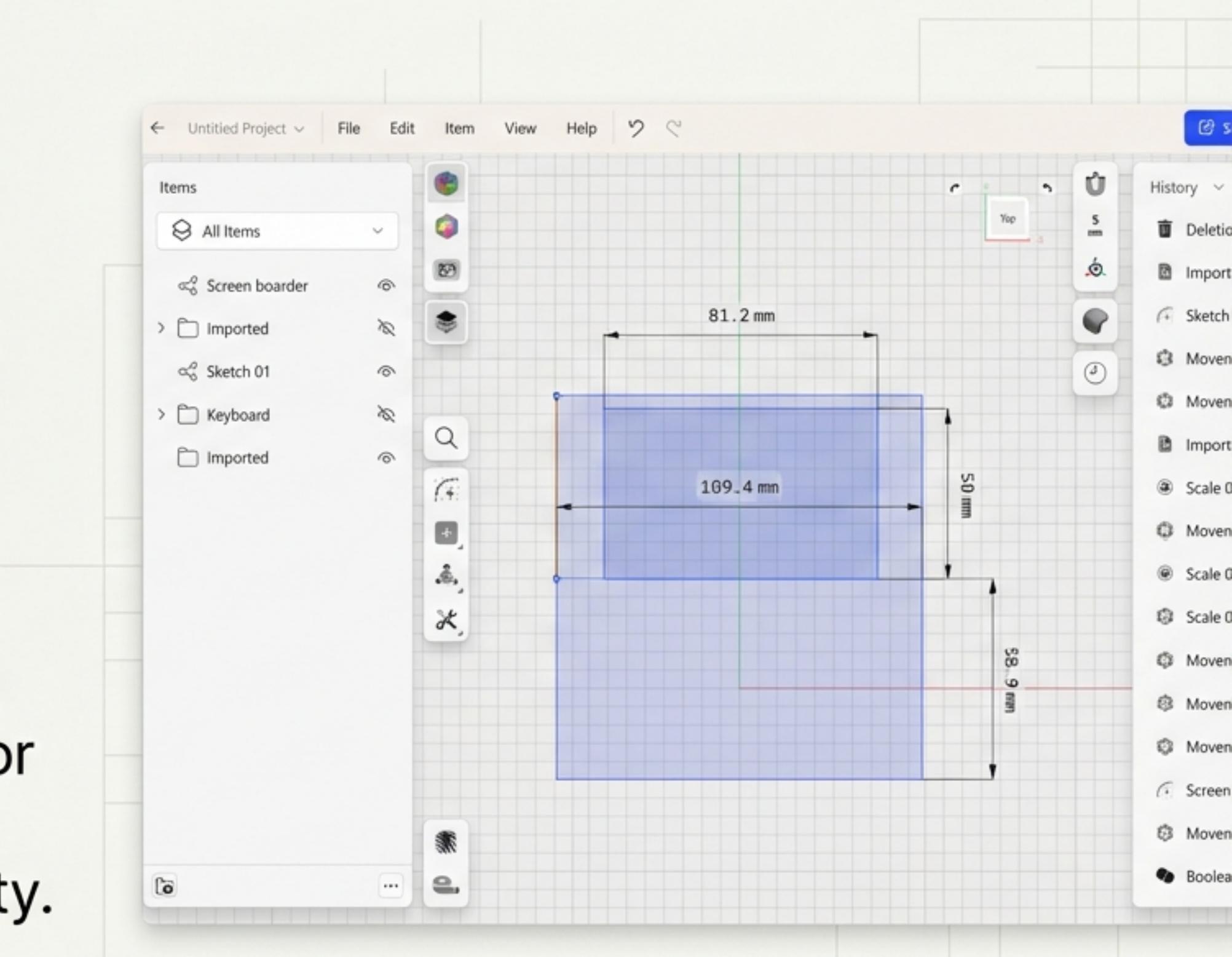
- Modifying system services.
- Writing your own AI agents.
- Building robotics and sensor extensions.
- Treating AI as a collaborator.

Physical fabrication is part of the learning journey.

The enclosure is a defining feature of the protocol's openness. It is:

- Fully 3D printable
- Modular
- Open for remixing

Users are encouraged to design cases reflecting personal taste or local culture and share their designs back with the community.



Designed for builders, educators, and researchers.

Intended Use Cases:



AI & software education



Robotics experimentation



Maker and hacker workstations



Cultural technology projects



Classrooms and makerspaces

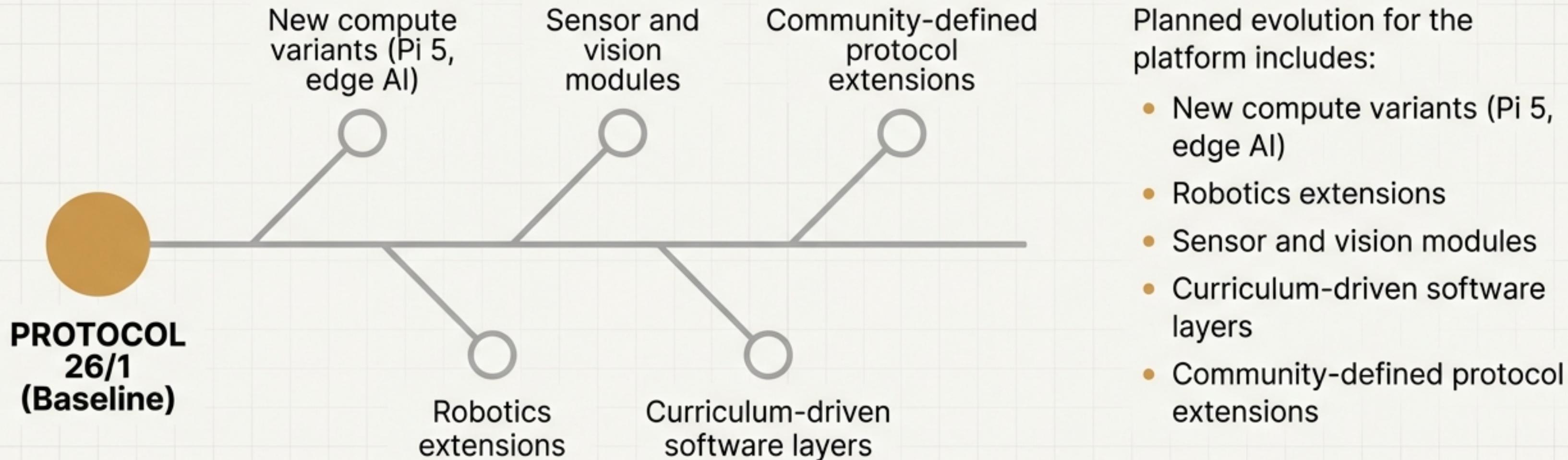


Rapid prototyping environments



Human–AI interaction research

PROTOCOL 26/1 is the first step.



It is an invitation.

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

Not a device. A protocol.

