

HubPort · AI-Native IoT Platform

Device Integration Solution

One-click peripheral adaptation, devices ship AI-ready

Fingerprint, camera, scanner, printer — different peripheral protocols.

Upload docs to auto-generate drivers, calibrate once for batch consistency.

Devices ship with built-in AI — just speak to query and control.

Usable by engineers

HubPort

August 2026 · hubport.cn

Many peripherals, complex protocols, hard to debug and mass-produce

5-6 modules per device, each vendor with different protocols — debugging takes time, mass production inconsistent

01

5-6 Modules Per Device

Fingerprint, camera, scanner, printer, sensor — each vendor has different protocols, serial debugging takes time.

02

Inconsistent Mass Production

Debug each unit one by one, each is different, high rework cost, uncontrollable delivery cycle.

03

AI From Scratch

More customers ask 'can devices be AI-controlled', but AI integration needs to be built from scratch.

04

Model Changes Affect Apps

When peripheral models, firmware, or parameters change, vendor apps often need modification too — high maintenance cost.

HOW IT WORKS

Upload protocol docs, drivers auto-generated

From docs to drivers to mass production, engineers can operate, debug once and batch consistent

1

Upload Module Protocol Docs

Upload peripheral module protocol docs directly — PDF, Word, Excel all supported.

2

Auto-generate drivers

AI analyzes docs and auto-generates module drivers — no coding needed.

3

Device integration

Integrate once, output via unified API, standardized connection.

4

Production consistency

Once integrated, subsequent batches need no rework — consistent straight from the factory.

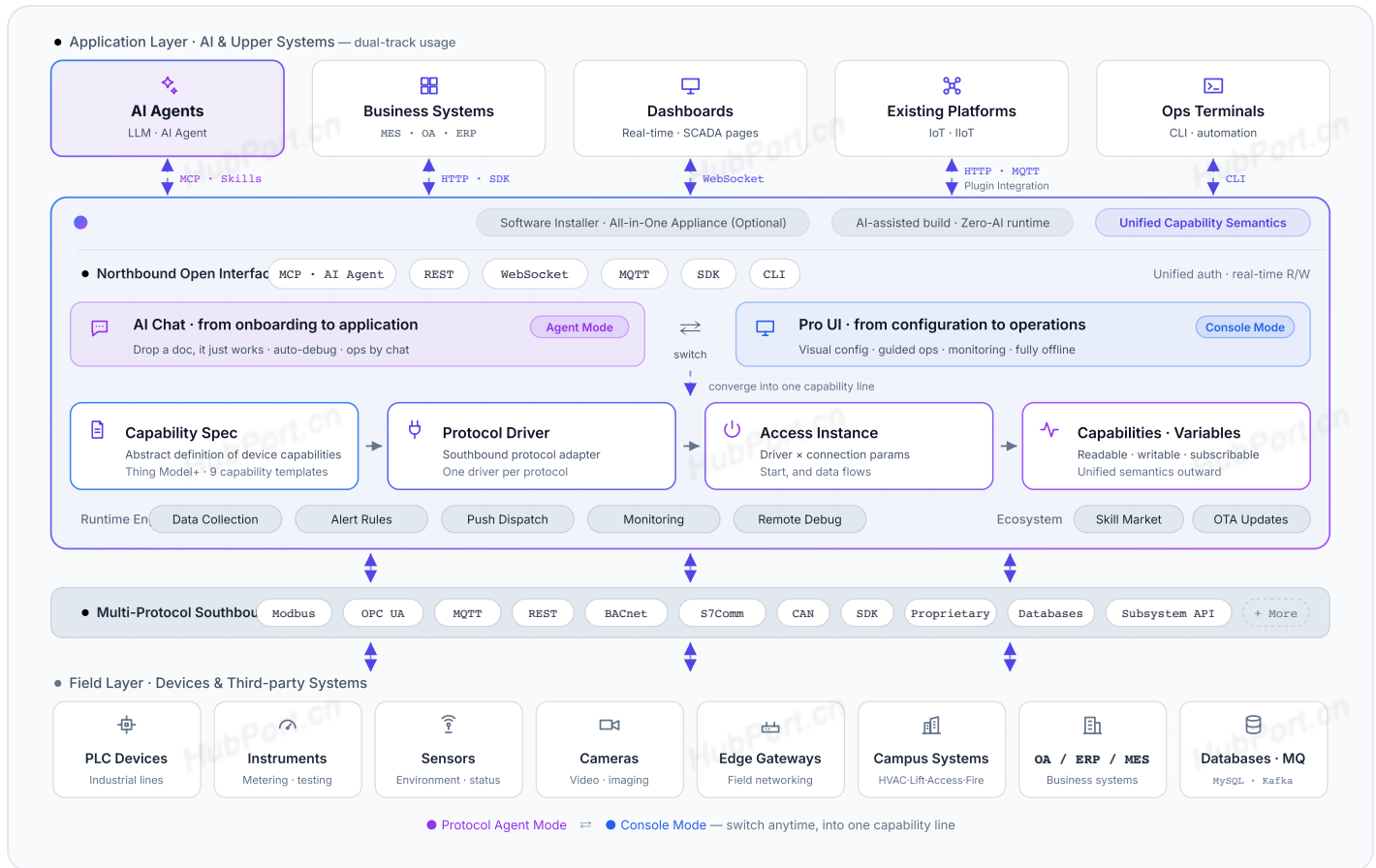
5

Unified output to vendor apps

Standard API output, vendor apps can call directly.

One diagram, the whole chain

Any-protocol device access, AI chat & pro UI in parallel — as a complete AI IoT platform, or as an AI access-enhancement plug-in for existing platforms.



Any Protocol · Unified Access

Industrial protocols, private APIs, third-party systems — all unified into standard capabilities, brand-agnostic.



Dual Modes · Same Destination

Chat to build, drop-a-doc simple; console to configure, fully offline. Two modes, one capability line.



Three Solutions · Offline Ready

System Integration, Industrial Software Gateway, and Device Integration — one core, fully offline.

Factory devices, operable with just a word

Devices ship with built-in AI query and control capabilities. Customers can check device status and control devices using natural language — no additional AI integration development needed.

Voice query

Permission control

Operation audit trail

Take a blood pressure measurement



Blood pressure measurement started. Please place your arm in the cuff. Measurement will begin shortly.

How many turnstiles are offline today?



Today there are **3 turnstiles offline**: Entrance 3, Entrance 7, and Tower B side door, all down for over 2 hours.

Set turnstile 3 to normally open temporarily



Turnstile 3 set to **normally open mode**. Operator: Admin. Record saved.

Device malfunction — what's going on?



Turnstile 3 **mainboard communication error**. Possible causes: 1. Loose power connection 2. Disconnected communication cable. Please check the power connection first.

Why is control safe?



Permission control

Configure who can operate and what they can operate, down to individual modules and commands.



Operation audit trail

Every operation is fully recorded, so customers can use it with confidence.



Clear boundaries

AI can only call authorized APIs — no privilege escalation.

VALUE FOR BOSSES

Value that matters to decision-makers

Not just a technical upgrade — a tangible boost to product differentiation and competitiveness



Production consistency eliminates rework



Built-in AI as a selling point



No need to build AI from scratch



Reusable project deliverables



Built-in AI capability gives your product a competitive edge

Hardware products connected through HubPort **natively support AI agent calls**. Customers get more than just a connected device — they get a smart product that can be queried and controlled via natural language, a clear differentiator in the market.

TOOLS FOR ENGINEERS

The engineer's workbench

No coding required — upload documents to complete the entire integration workflow, with online acceptance of deliverables

Protocol adaptation

Device profiling

Auto-integration

Production consistency

Online acceptance

Operation traceability

What peripherals can be connected

Standard protocols, private protocols, legacy devices, non-standard interfaces — all supported



Identity recognition

Fingerprint, facial recognition, card swipe, QR scan, iris, ID card, etc.



Detection & sensing

Temperature & humidity, gas, pressure, photoelectric, weight, heart rate & blood pressure, etc.



Output & printing

Printers, displays, voice broadcast, relays, indicator lights, etc.

Beyond standard protocols, it also supports

 **Legacy devices** Serial / bus / discontinued modules

 **Non-standard interfaces** Private protocols / custom commands

 **More peripherals** If you have the docs, it can be connected

POSITIONING

Two ways to use it

Whether you have existing hardware or are planning from scratch, HubPort works for you



Existing hardware products

Use HubPort as an **AI capability enhancer**. Leave protocol adaptation and standard API output to us — your hardware product gains AI natural language query and control capabilities. **The hardware is yours, the AI is our addition.**



Still in product planning

HubPort provides a **complete solution from protocol to AI**. Protocol adaptation + production consistency + AI query & control — all in one step, accelerating your hardware product launch.

Past sites, today's foundation

Built on industrial internet and IoT middleware technology, our team has specialized in industrial, building, energy and municipal sectors for over a decade. Protocol integration, platform governance and application delivery experience forged HubPort's technical foundation — in the AI era, devices adapt with one click, and natural language is the interface.

**Industrial**

POWERCHINA Wagon-Tipper O&M Pilot

**Building**

Wuhan Military World Games Smart Venue

**Energy**

Shenzhen Longhua Smart Water Utility

**Municipal**

Wuhan Yangtze River Tunnel Smart O&M

10+

Years of team experience

4+

Industry scenarios

150+

Projects delivered

680+

Protocol drivers

About HubPort

Making AI safe and reliable Bridging the physical world

The super connector between AI agents and the physical world — read data, control devices

From a single hardware module to an entire factory park, HubPort automatically turns every integrated module, device, and system into an AI-callable capability object.

About the Team

Innovative AIoT Applied Technology Team

Core R&D team from Alibaba and Huawei, leveraging mature AIoT product practice in the health medical device domain, building an AI-native IoT platform, dedicated to **completely solving** integration complexity in device system integration, serving domestic and international software & hardware integrator customers.

HubPort AI-Native IoT Platform

UIOTOS Industrial SCADA Application Engine

Gituor Personal Context Knowledge Management — Your Second Memory (Beta)

Product Scope

We focus on the protocol integration layer: southbound connects devices and subsystems, northbound provides standard capabilities to AI agents, existing platforms, or business systems — we don't replace your business systems.

Contact

Start with a real need, begin integration and verification

Tell us about your devices, systems, and application goals — we'll determine the right solution, license, and implementation path together.

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Video Channel



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