

HubPort · AI-Native IoT Platform

Industrial Software Gateway Solution

One-click protocol adaptation, plus device dialogue

Industrial protocols, point tables, interface integration, driver development — done in one click. After connecting, not just data collection — query status and control devices via natural language. Permissions, operation logs, and call boundaries all included.

Usable by engineers

HubPort

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After data collection, there's still more development to do

From data collection to actually usable, there's still significant development work

01

Private Protocols

No ready drivers for vendor private protocols, need expert developers to develop each one — long cycle, high cost.

02

Manual Point Mapping

Device point to platform data mapping is all manual — time-consuming, error-prone, frequent rework.

03

AI Needs Rebuild

To use AI for device query/control, need to build another set of data interfaces and permission systems — reinventing the wheel.

04

Data Not Usable

Data collection is just step one — still need to develop query, control, alert apps, long delivery chain.

HOW IT WORKS

Upload protocol docs, private protocols too

From docs to drivers auto-generated, engineers can operate, no expert developers needed

1

Upload protocol documents

Upload PLC, instrument, and sensor protocol documents directly — PDF, Word, and Excel are all supported.

2

Auto-generate drivers

AI analyzes documents and auto-generates protocol drivers and point mappings — no coding required.

3

Auto-configure data points

Point mapping is done automatically — no need to configure hundreds or thousands of points one by one.

4

Auto-debug & test

Automatically verify integration results — locate and fix abnormal points with one click.

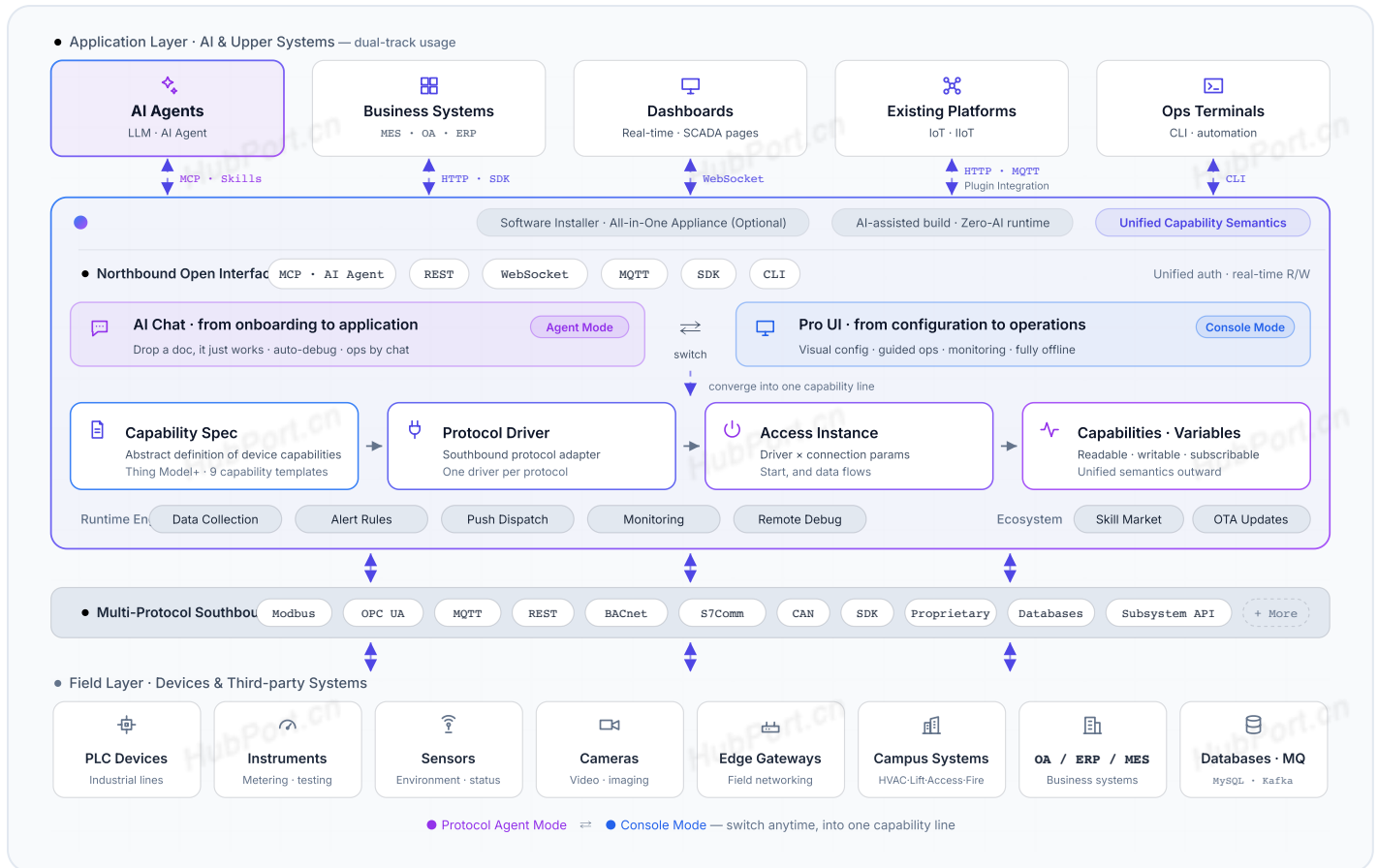
5

Unified output to existing platforms

Standard API output — SCADA, MES, and HMI software 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.

FEATURES

Data collected, converse directly

Once device data collection is complete, query status, control devices, and set alerts directly via natural language. No extra app development needed — just say the word.

Natural language query

Device control

Alert configuration

Which device has abnormal vibration?



Pump 2 vibration value **4.8mm/s**, exceeding the 3.5mm/s threshold. Shutdown and inspection recommended. Other devices are normal.

Stop pump 2



Executed **Stop Pump 2** command. Operator: Admin, Time: 14:32. Record saved.

Notify me when the production line is abnormal



Production line alert set. Trigger conditions: output drop >15% or device shutdown. Notification method: SMS + Enterprise WeChat.

SECURITY

Security

Every operation has permissions, records, and boundaries



Fine-grained permissions

Configure who can query, who can control, and what can be controlled — down to individual devices and data points.



Operation audit trail

Every operation is fully recorded, including operator, time, command, and execution result.



Clear boundaries

AI can only operate within authorized scope — out-of-scope actions are automatically blocked, no privilege escalation.

Core Value

Not just a technical upgrade — a tangible boost to project delivery efficiency and product competitiveness



Faster delivery

Protocol integration reduced from weeks to hours



Less protocol development investment

No dedicated protocol development team needed



Add AI as a selling point

Add AI query and control capabilities to projects or gateway products



Reusable project deliverables

Integrate once, reuse directly in the next project



Deliver with built-in AI capability — a standout project solution

Industrial systems connected through HubPort **natively support AI agent calls**. Customers get more than a standard data acquisition system — they get a smart system that can query and control devices via natural language, a clear differentiator in project bidding.

The engineer's workbench

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

Protocol adaptation

Device profiling

Data acquisition

Unified output

Online acceptance

Operation traceability

What devices and protocols can be connected

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



PLCs & controllers

PLCs and controllers from Siemens, Mitsubishi, Omron, Schneider, and other brands



DCS & SCADA

Distributed control systems, supervisory control and data acquisition systems, HMI software, etc.



Instruments & sensors

Instruments and sensors for temperature, pressure, flow, vibration, electrical energy, etc.

Beyond standard protocols, it also supports

Legacy devices

Non-standard interfaces

More devices

POSITIONING

Two ways to use it

Whether you have existing SCADA/MES or are starting from scratch, HubPort works for you



Existing SCADA/MES

Use HubPort as an **AI acquisition enhancer**. Leave protocol integration and data collection to us — unified output is pushed to your existing SCADA, MES, and HMI software. **No replacement, no disruption.**



No monitoring platform yet

Use HubPort directly as an **industrial software gateway platform**. Protocol integration + data collection + AI natural language query & control — all in one step, no need to purchase separate platform software.

CASES & HERITAGE

Past sites, today's foundation

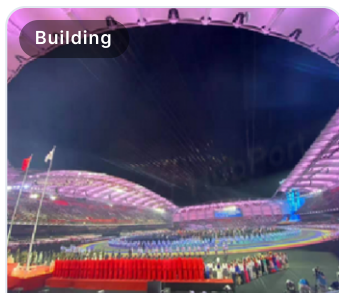
Built on industrial internet and IoT middleware technology, our team has specialized in industrial, building, energy and municipal sectors for over a decade. Protocol integration, platform governance

and application delivery experience forged HubPort's technical foundation — in the AI era, devices adapt with one click, and natural language is the interface.



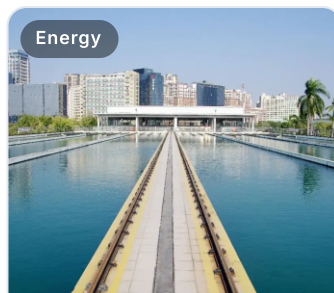
Industrial

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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