



MACHHUB

Connect Once. Build Anything.

Industrial data platform

Perpetual licence

machhub.dev

ANY PLANT, ANY CONTROLLER

Your machines already produce the data. Now you get to keep it.

MACHHUB puts a node at each controller and syncs them all up to one Hub, so every reading lands in a single tag tree on a server in your own plant. Every licence is perpetual.

8

industrial protocols out of the box, plus Node-RED for everything else

1 tree

Drivers publish into it; flows, dashboards and applications read from it, so everyone sees the same value

Node by node

An Edge node at each controller, syncing up to a Hub. Each licence is perpetual, whatever the tag count

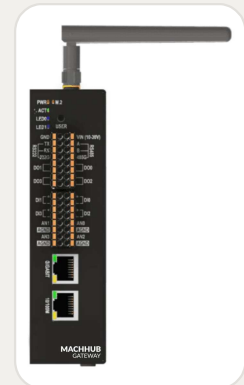
RECOMMENDED HARDWARE

MCH-A5-W0832

Quad-core at 2.4 GHz, 8 GB RAM, 32 GB storage. Metal, fanless, DIN rail: cooled by its own casing, so there is no moving part to service. Two Ethernet ports, so the plant network and the business network stay on separate legs.

I/O: four digital in, four digital out isolated to 50 V, and four analog in, each selectable across the three ranges you are likely to meet, 0 to 5 V, 0 to 10 V and 0 to 20 mA. One RS-232 and one isolated RS-485. Mini PCIe for expansion. DC 10 to 30 V, surge protected. Twelve-month warranty.

MCH-A5-W0832 as specified above. Other memory and storage options are available. Hardware is quoted separately from the licence.



MCH-A5 shown

EDITIONS

One machine, one line, one plant.

Choose the scope you need now, and add nodes as the data earns them.

EDGE

Monitor a machine

Tags, history, dashboards and alarms on one box.

Edge Plus connects the node upstream to a Hub.

PANEL

Build applications

Everything in Edge, plus your own software running on the node.

Panel Plus connects the node upstream to a Hub.

HUB

Run a plant

Every node reports in. One tree, one history, one login.

Includes one application domain, and more can be added.

For sites that need unlimited application domains, ask about Hub Enterprise.

Try it out today.

Every module, no key and no account. Two hours a run, and you can restart it as often as you like.

machhub.dev/install

Start the free trial



If it speaks, it joins the tree.

OPC UA

Modbus TCP/RTU

Serial

MELSEC

FINS

MEWTOCOL

SIMATIC S7

ADS / TwinCAT

Node-RED runs on the node itself, so whatever is not on the list above, you can still reach.



Hub

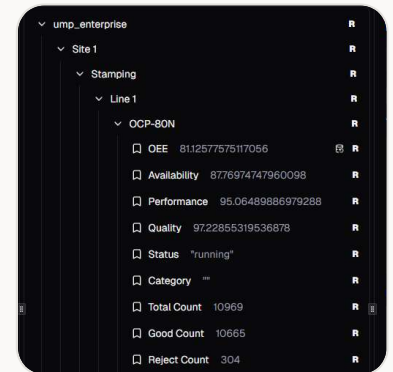
One tree for the plant. One history, one login.

Edge and Panel nodes

One per machine or cell. Each syncs upward.

Controllers

The PLCs, meters and drives you already run.



Unified Namespace, with live values

ON EVERY NODE



Unified Namespace

One address for every value. Drivers publish into the tree; everything else reads from it.



Historian

Log per tag on event, deadband or a fixed tick. Retention per tag, CSV on demand.



Data Bridge

Two-way database sync, with store and forward that survives a restart and drains in order.

FROM PANEL UP



Collections

A typed database on the node for what a tag cannot hold: downtime reasons, batches, checks.



Processes

Python and TypeScript on the server, on cron, interval, tag change or an HTTP call.



App Runtime

The web interface your team builds, served from the same box in its own application domain.

Also on every edition: drag-and-drop dashboards, alarms with acknowledge and shelve, revocable read-only dashboard links, scheduled backup over SFTP, and permissions per feature, action and scope.

RUNNING IN PLANTS TODAY

A full-plant OEE and Andon system. A line oven temperature and history system. A furnace line traceability and reporting system.

Semiconductor and electronics assembly, food and beverage, automotive parts.

MACHHUB

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Other resources