

See every machine. Know every dollar.

The box, the wiring, and the posture — facts only. No IP rating or temperature range we haven't verified on metal.

SPECIFICATIONS

GATEWAY	DIN-rail box — Raspberry Pi CM4 on an industrial carrier, dual-NIC (one port faces your machines, one faces the uplink). Pre-flashed; no laptop on the floor.
PROTOCOLS	19 supported across three families — PLCs & controllers (Siemens S7, Allen-Bradley, Omron, Mitsubishi, LS Electric, OPC-UA), CNC/sensors/meters (FANUC FOCAS, Modbus TCP/RTU, direct-wired digital & analog), and a raw-connector escape hatch. Connects over Ethernet, Serial, or wired straight into the panel.
DATA PATH	Outbound-only. Telemetry leaves over MQTT/TLS, the control-plane over HTTPS. No inbound port opened on your plant network, no VPN, no static IP. Dual-NIC keeps the OT side segregated.
WHEN THE INTERNET DROPS	The box keeps polling and buffers on-site (store-and-forward). Wallboards on the floor keep running; when the connection returns it backfills — an outage is visible, not silently lost.
READ-ONLY POSTURE	Never writes to your PLCs. There is no code path in the product that writes back to a controller — not by default, not on request. It reads and recommends; your people act.
IF THE BOX DIES	We ship a replacement, pre-flashed the same. DIN-rail swap, power it up, it claims itself and the cloud re-pushes its config. About ten minutes, no expertise on site — think of it like a warranty swap.

GENERAL NOTES

Does it need our IT?

No. One network drop on the machine side, one on the uplink. Nothing to stand up, no ports to open, no static IP.

What happens when the internet drops?

The box keeps polling and buffers on-site. The wallboards keep running, and when the connection comes back, nothing is lost — it backfills.

Can it write to my PLCs?

No. Read-only, period. There is no code path that writes back to a controller. It reads and recommends; your people act.

What if the box dies?

We ship a replacement. Swap it on the DIN rail, power it up, it pulls its config back down — about ten minutes. Treat it like a warranty swap.

PILOT

\$4,500 flat · 30 days · one line · hardware included · 100% credited on conversion

Spall · Charlotte, NC · spall.cc · hello@spall.cc

Read-only by contract · outbound-only networking · your data leaves anytime