

Machine Integration Checklist

Use this checklist before requesting a board sample. The goal is to confirm the machine interface, payment trigger, physical action, and data requirements in one pass.

A good first message:

machine photos + controller wiring + target action after payment

1. Machine basics

- ☐ Machine type, model, and cabinet size
- ☐ Machine front and inside cabinet photos
- ☐ Controller board and payment module photos
- ☐ Model label, voltage, and power notes
- ☐ Existing coin, card, or payment behavior

2. Machine interface

- ☐ MDB / pulse / relay / serial / RS485 / custom
- ☐ Connector pinout or clear wiring photo
- ☐ Start signal type and voltage
- ☐ Sensors, locks, meters, or door signals
- ☐ Any existing timer, inverter, or controller

3. Payment trigger

- ☐ QR provider, wallet, bank, or payment app
- ☐ Who confirms payment: QuLink, PSP, or your backend
- ☐ Callback or webhook format
- ☐ Price, product, slot, or session rule
- ☐ Timeout, cancel, and refund behavior

4. Machine action

- ☐ Vend, dispense, relay on/off, unlock, or timed session
- ☐ Slot, relay channel, or lock number
- ☐ Session duration and extension rule
- ☐ What happens on failure, timeout, or retry
- ☐ Physical stop or emergency-stop behavior

Project snapshot

Company

Country

Machine model

Estimated quantity

Target sample date

Main contact

From sample to rollout

A successful project is not only a board match. Confirm the data, firmware, enclosure, installation, and rollout path before scaling.

5. Data and events

- ☐ Vend result or session result
- ☐ Fault, alert, or over-temperature signal
- ☐ Telemetry, usage log, or inventory event
- ☐ Online / offline and heartbeat
- ☐ Data destination, format, and frequency

6. Deployment

- ☐ One-unit sample test plan
- ☐ Firmware profile and configuration
- ☐ Enclosure, mounting, and cable routing
- ☐ Certification and local electrical rules
- ☐ Pilot quantity, spare units, and support

7. Send this first

- ☐ Machine front, controller, payment module, wiring photos
- ☐ Target action after payment or API approval
- ☐ Payment flow and target country
- ☐ Estimated quantity and rollout timeline
- ☐ Any deadline, certification, or enclosure requirement

Compatibility matrix (summary)

Machine / interface	Model family	Protocol / version	Status
Vending (MDB)	MDB-to-Cloud Gateway	MDB cashless; version confirm	Pending sample
Laundry (pulse)	Pulse / Relay Controller	12/24V pulse; width confirm	Pending sample
Massage chair (RS485)	Machine Data Bridge	Modbus RTU; map confirm	Pending sample
Power bank cabinet (relay)	Door Lock Relay Controller	Dry contact; voltage confirm	Pending sample
Coffee machine (MDB + pulse)	MDB-to-Cloud Gateway + Pulse Relay	MDB cashless + pulse; profile confirm	Pending sample
Smart locker (relay + sensor)	Door Lock Relay Controller	Dry contact + door sensor	Pending sample

Pending means the interface family is documented, but the machine-level action still needs a sample test.

Next step

Send the checklist items to QuLink. We will help identify the likely interface, board family, wiring scope, and sample test path.

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This checklist is for project scoping. It is not a certification, safety approval, or installation instruction.