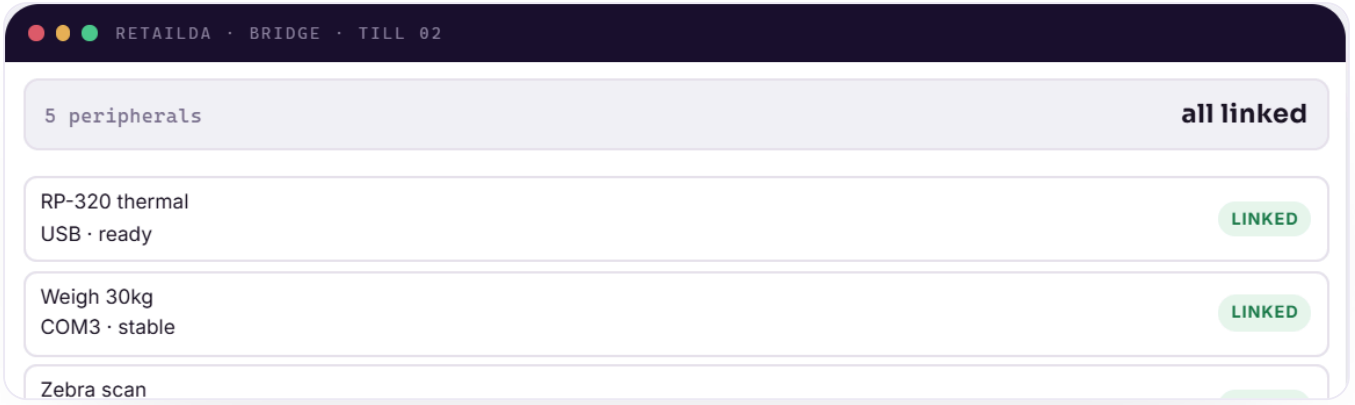
PRODUCT DATASHEET · HARDWARE & EDGE

Peripheral Bridge

Pole displays, weighing scales, camera scanners — and LoRaWAN.

Every piece of counter hardware speaks one protocol. Pole displays, digital scales, camera scanners, cash drawers and even LoRaWAN signage bind to the register automatically — the same bridge that drives industrial sensors.



97
terminals live on one deployment

5 yrs
production on the original build

Air-gap
proven at defence sites

₹20L
lost in 48h — none since

WHAT IT CHANGES ON THE FLOOR

Pole displays
Customer-facing VFD/LED price displays driven live from the cart.

Weighing scales
Scale-linked goods priced at the register — barcode prefix and weight decimals understood natively.

Camera scanners
USB/IP camera scanning — no proprietary scanner required.

LoRaWAN signage
Long-range digital signage over LoRaWAN — shelves and yards update without Wi-Fi.

Auto-binding
Plug it in; it announces itself and binds to the register.

In production since 2021 — retail, defence, education, manufacturing & hospitality

AVAILABILITY

From the Growth plan

RUNS ON

Any device · offline-first · your infrastructure or ours

COMPLETE CAPABILITY SET — 10 FEATURES

- ✓ VFD/LED pole displays driven live from the cart
- ✓ Camera scanning over USB/IP — no proprietary hardware
- ✓ Card terminals bind to the register
- ✓ Printer auto-detection
- ✓ Hot-swap plug-and-go
- ✓ Digital scales — barcode prefix & weight decimals native
- ✓ Cash drawers kick on settlement
- ✓ LoRaWAN long-range digital signage
- ✓ Device health dashboard
- ✓ Custom device profiles

BUILT FOR

Retail · Grocery

THE ECONOMICS

	RETAILDA™	PER-SEAT SAAS PATTERN
Pricing unit	Per site — staff accounts unlimited	Per user — every hire compounds the bill
Modules	Toggle on what you need, priced like apps	Per-module add-ons stacked on per-seat tiers
Connectivity	Runs fully offline — forever, if you want	No link, no sale
Data	One database per client — export anytime	Multi-tenant pool, export rituals

How Peripheral Bridge compares

Verified against current competitor pricing and feature documentation — retailda.com/compare#peripheral-bridge

ALTERNATIVE	WHERE RETAILDA™ WINS
Proprietary POS hardware	Epson, TSC, Brother, generic scales and pole displays auto-bind — no hardware-lock checkout.
Vendor-specific drivers	One protocol layer for displays, scales, cameras and LoRaWAN signage.
USB plug-and-pray	Device health dashboards and hot-swap — a dead scanner flags itself before the rush.

DEPLOYMENT MODELS

MODEL	WHAT IT MEANS
Shared cloud	Fastest start — provisioned, patched and monitored for you. Per-site pricing, unlimited staff.
Private cloud	Your own isolated instance — one client, one database. No multi-tenant pooling.
TolsTek Host	On-premise enterprise server — ECC memory, power-loss-protected NVMe, hardware RAID. Also runs the local AI daemons.
Air-gapped	Zero external calls, permanently — proven at defence installations where isolation is mandatory.

WORKS WITH — the platform fabric

UPI & QR · EMV terminals · ESC/POS & thermal · LoRaWAN · Zigbee · MAVLink · MCP agents · ONDC (testing) · WhatsApp Business · Excel/CSV · CloudPRNT · OTAs via channel pipeline

RUNS WITH

Cloud Print Fabric · Payment Terminals · Digital Signage · P.L.C · TolsTek Local Network

Deployment & rollout

What a Peripheral Bridge deployment actually looks like — bring this page to whoever signs off.

ROLLOUT

01 **Sandbox first**
Your catalogue, opening stock and flows run in a sandbox before anything touches production.

02 **Guided migration**
Bulk import of items, barcodes, suppliers and opening stock — Excel/CSV in one pass.

03 **Pilot site**
One counter or one site goes live first — measured against your old process, not promises.

04 **Staged rollout**
Remaining sites switch over on your schedule — staged, sandbox-first cutover.

COMMERCIAL MODEL

Pricing	From the Growth plan — priced per site, never per user. Staff accounts are unlimited.
Ownership	Your data, your keys, your export — leave with everything. No data lock-in.
Support	Real engineers, ticket-based. Feature unlocks are toggles, not projects.

From the Growth plan

Sign up today — retailda.com/signup · no card required to start

Talk to an engineer

E-MAIL: hello@retailda.com
CALL: +91 - 87778 40671
WHATSAPP: +91 - 94751 16711

EPSON · TSC · brother · CASIO

RetailDA