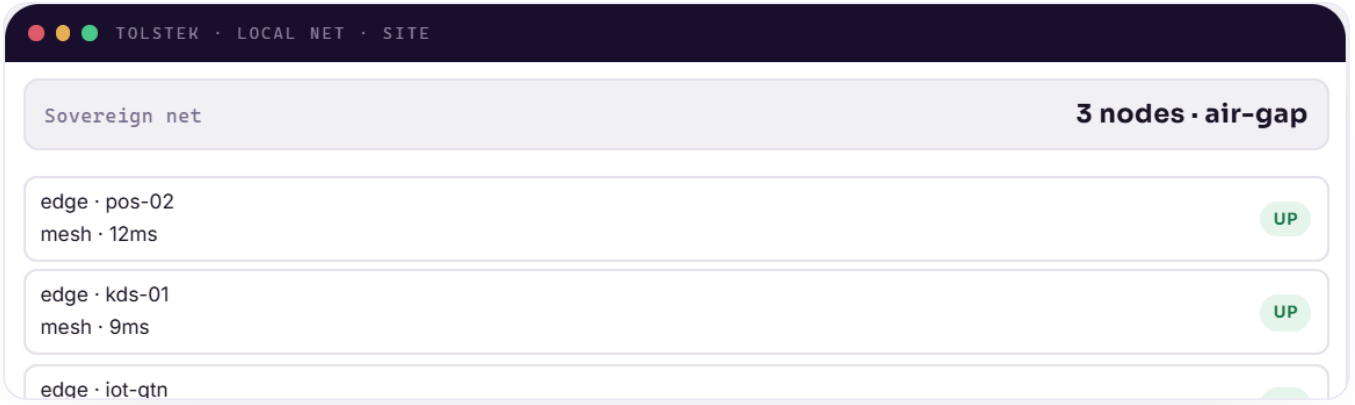
PRODUCT DATASHEET · HARDWARE & EDGE

TolsTek Local Network

WLAN · LoRaWAN · Zigbee · GSM/CDMA mesh.

Sovereign local connectivity for the whole site — the stack bonds Wi-Fi, LoRaWAN, Zigbee and cellular (GSM/CDMA) so terminals, sensors and controllers stay linked without vendor lock or public-cloud dependency.



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

Multi-radio bonding
Wi-Fi, LoRaWAN, Zigbee and GSM/CDMA bond into one resilient local fabric.

LoRaWAN long range
Kilometre-scale sensor links on sub-GHz — warehouses and yards covered without repeaters everywhere.

Zigbee device mesh
Low-power device mesh for sensors, buttons and displays around the site.

GSM/CDMA failover
Cellular failover keeps the fabric alive when wired links drop.

Local-first discovery
Devices find each other on the local network — zero cloud round-trips.

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

AVAILABILITY

Included on Scale (Industrial IoT Suite), or + ₹4,999/site/mo ($69) add-on

RUNS ON

Any device · offline-first · your infrastructure or ours

COMPLETE CAPABILITY SET — 8 FEATURES

- ✓ Wi-Fi, LoRaWAN, Zigbee & GSM/CDMA bonded into one fabric
- ✓ Zigbee low-power device mesh
- ✓ Local-first discovery — zero cloud round-trips
- ✓ Device onboarding
- ✓ Kilometre-scale LoRaWAN sensor links
- ✓ Cellular failover when wired links drop
- ✓ Site-to-site mesh between nodes
- ✓ Per-site isolation

BUILT FOR

Multi-site retail · Plants · Warehouses · Remote sites

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 TolsTek Local Network compares

Verified against current competitor pricing and feature documentation — retailda.com/compare#tolstek-local-network

ALTERNATIVE	WHERE RETAILDA™ WINS
Ubiquiti deployments	Wi-Fi, LoRaWAN, Zigbee and cellular bonded into one local-first fabric — site-to-site mesh included.
ISP dependency	Cellular failover keeps tills alive when broadband dies.
Consumer mesh	LoRaWAN sensor links reach kilometres — yards and remote sites included.

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

Peripheral Bridge · Cloud Print Fabric · Payment Terminals · Digital Signage · P.L.C

Deployment & rollout

What a TolsTek Local Network 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	Included on Scale (Industrial IoT Suite), or +₹4,999/site/mo ($69) add-on — 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.

Included on Scale (Industrial IoT Suite), or + ₹4,999/site/mo ($69) add-on

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

Talk to an engineer

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