



SKANIXA™

— READ. RELAY. RESPOND. —

INTELLIGENT RFID READER ECOSYSTEM FOR GARUDAVIGIL

Purpose-Built Readers.
Process-Aligned Intelligence.
Enterprise-Scale Deployment.

Skanixa is i-TEK RFID's intelligent reader ecosystem - an integrated range of proximity, bulk, zone and infrastructure-grade RFID systems designed as operational extensions of GarudaVigil. It is not a collection of standalone devices. Each Skanixa product is engineered around the business process it enables: encoding, checkout, inventory, product search, portal movement, fitting room intelligence, bulk carton processing, gate automation and long-range identification.



Precision

Controlled RF zones for accurate item, carton and asset reads.



Throughput

High-volume bulk processing for cartons, totes and pallets.



Intelligence

Edge-ready operations with device health and lifecycle visibility.



Scalability

Standardised ranges and configurations for multi-site rollout.

PRODUCT ARCHITECTURE AT A GLANCE

Range	Category	Operating Role	Representative Systems
PX	Proximity Intelligence Readers	Controlled close-range scanning and writing for transactional and interaction-led operations.	PX-TR trays, PX-PA POS/self-checkout, PX-EC encoding stations
BX	Bulk Processing Systems	Chamber, tunnel and shell-based systems for deterministic high-volume read/write processing.	BX-TN tunnels, BX-SH shells/cabinets for cartons, totes and bulk workflows
ZX	Zone & Infrastructure Intelligence Readers	Defined-area, portal, overhead and long-range RFID systems for zone visibility and infrastructure-scale movement capture.	ZX-PT portals, ZX-OH overhead, ZX-SH smart shelves, ZX-LR long-range gates/yards

BUSINESS VALUE DELIVERED



Faster item and carton processing



Improved read reliability and data integrity



Lower manual dependency



Better stock and asset visibility



Higher throughput at operational nodes



Stronger deployment and support consistency

WHY SKANIXA

- GarudaVigil-ready**

Readers, workflows and data flows are designed to operate as part of the GarudaVigil platform.
- GarudaCare-managed**

Device health, uptime, fitness, allocation and diagnostics can be governed centrally.
- Deterministic RF engineering**

Controlled read zones, chamber designs and antenna configurations improve data reliability.
- Configurable by process**

Readers are mapped to business flows, not only to hardware specifications.
- Edge and protocol flexibility**

Supports distributed operations through device SDKs, TCP/IP, MQTT, REST and enterprise integrations.
- Scalable lifecycle model**

Standard naming, configuration classes and antenna options simplify rollout and support.



Skanixa converts RFID reader infrastructure from a hardware layer into a controllable, governed and intelligence-ready enterprise capability - powering the last mile of physical-to-digital transformation.

BUILT FOR BUSINESS FLOWS.

Managed as an Enterprise Device Ecosystem
From controlled proximity reads to infrastructure-scale identification.

Skanixa gives enterprises a structured reader ecosystem that can be configured, deployed, monitored and scaled across stores, warehouses, factories, logistics nodes and field environments. When connected with GarudaVigil and governed through GarudaCare, every reader becomes part of a measurable, supportable and intelligence-ready operating fabric.



Retail & Customer Experience



Infrastructure & Logistics



Supply Chain & DC Operations



Specialised Operations