Technology Solutions for Retail

RFID OVERHEAD LOSS PREVENTION

Smart loss prevention.



Invisible to your customers. Powerful for your operation.

The Ci-S43GC overhead RFID antenna automatically detects tagged products leaving the store without authorization, delivering an accurate, discreet loss-prevention solution ready for the retail of the future.

GL Retail & Investments LLC
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KEY BENEFITS



Less shrink
Reduce theft and inventory discrepancies with real-time RFID detection.



Better shopping experience
No traditional gates or visual barriers.
Your store keeps a clean, modern look.



Fast installation
Mounts directly above the entrance.
Ideal for new stores or remodels.



Maximum accuracy
Advanced algorithms reduce false alarms and improve the reliability of every read.



Scalable
Compatible with existing RFID projects and future expansions.

WHY OVERHEAD?

Traditional Antenna	Overhead RFID
Takes up space	Invisible installation
Physical barriers	Open access
Visual impact	Clean design
Less coverage	Optimized coverage

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MAIN FEATURES

High-performance RFID reading

Up to 800 tags per second.
High-sensitivity Impinj chip.
Read coverage up to 5 meters.

Built-in intelligence

Debian operating system.
Advanced algorithm to prevent false alarms.
Master-Slave mode.
HTTP publishing.
GPIO for external devices.

Connectivity

Ethernet
Wi-Fi
4G
PoE
USB for camera
Optional radar

KEY SPECIFICATIONS

Frequency	866–868 / 902–928 MHz
Protocol	EPC Gen2 ISO18000-6C
RF power	10–33 dBm
Reading	Up to 800 tags/sec
Range	Up to 5 m
Communication	Ethernet / Wi-Fi / 4G
Power	12V / PoE
OS	Debian
Weight	3.5 kg

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APPLICATIONS

Retail — Loss prevention

Monitors merchandise leaving the store and reduces shrink without disrupting the shopping experience.

Access control and self-service

Automatically verifies people or products passing through, integrated with your systems.

Smart libraries

Detects unauthorized loans and returns, with no manual intervention.

Asset management

Controls the flow of equipment and critical assets between areas or warehouses.

WHY GL RETAIL?

At GL Retail we design and implement end-to-end RFID solutions for loss prevention, traceability and inventory.

Our team supports every project from design to go-live, integrating hardware, software and specialized support to maximize your return on investment.

Modernize your store's loss prevention with RFID technology.

Request a personalized demo.

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