Selfly Intelligent Fridge 2.1 EU

by Stora Enso Intelligent Packaging

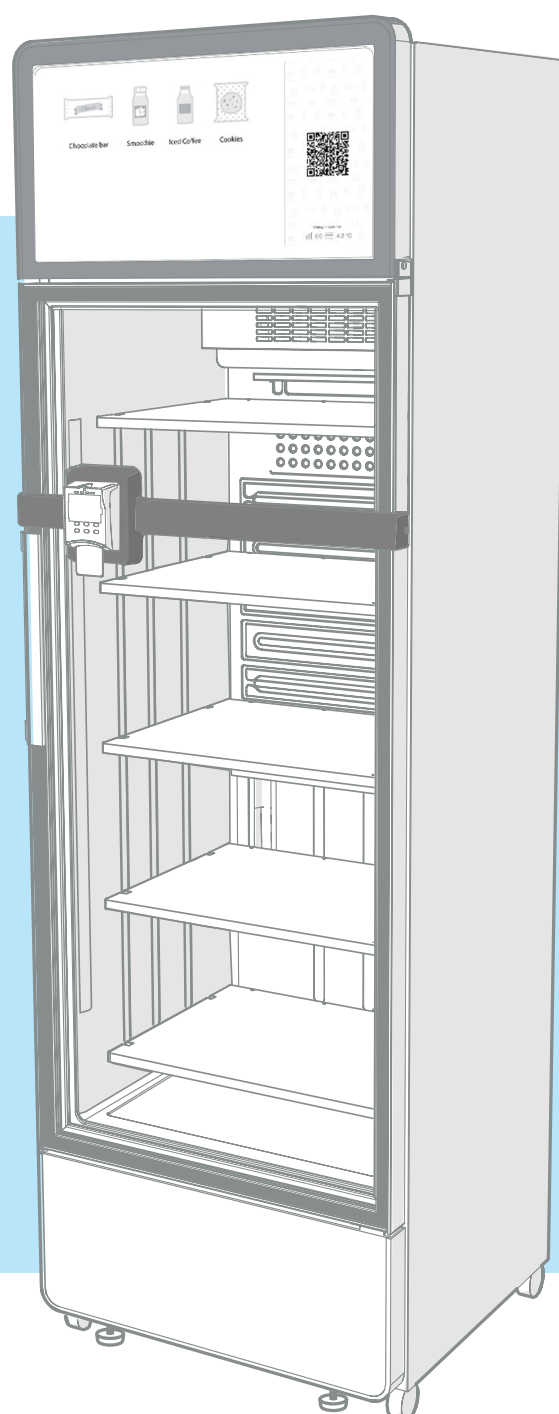All-in-one RFID enabled intelligent fridge for unmanned and automated New Retail

Overview

Selfly Intelligent Fridge is an all-in-one RFID enabled fridge for a new retail experience. It is 24/7 connected to Stora Enso's cloud and Slefly eCommerce Platform for managing product selection, purchasing and refill transactions, inventory visibility and remote management and monitoring.

Selfly Intelligent Fridge offers a simplified purchasing and replenishment process for users. It can be unlocked with a smart phone using compatible mobile payment application or from integrated payment terminal with a credit card. Each item inside the fridge is detected from RFID Tag attached on the item. Connected mobile and web applications provide a secure and role based user interface with on-screen instructions.

Key Features

- Quick and smooth purchasing using mobile application or credit card
- Multiple mobile payment methods: Mobile Pay and credit card payment
- On-screen instructions for purchase and refill
- Status, temperature, alarm, inventory and transaction reporting to Selfly eCommerce Platform 24/7
- Sales reports, dynamic pricing, product expiry monitoring and on-screen advertisements using remote cabinet controls
- API for integration to third party systems

Cabinet specifications

Dimensions	660 × 723 × 2187 (w x d x h) mm outer
Recommended installation clearances	Sides 10 mm, rear 100 mm, top 100 mm
Weight	125 - 135kg depending on the configuration and accessories
Display	23' 1920x1080
Input power	230VAC / 50 Hz
Power consumption	500W
Cabinet usage	Indoor, residential or commercial environments
Volume	400L
Inside temperature range	1-10'C
Refrigerant	R600a
Refrigerant volume	93g
Cabinet shell	Painted cold rolled steel plate
Interior material	HIPS
Glass door	Double layer glass
Glass door frame	Aluminum alloy
Shelf material	PE, ABS, aluminum
Number of shelves	5 (standard), 6 (optional)
Shelf size	553 x 403 (w x d)
Side plate size	2067 x 565mm
Compliance	CE
IP Rating	IPX0

Radio frequency system specifications

Air interface protocol	EPC Gen2v2, ISO 18 000-63
Operating frequency	865-868 MHz
Average number of products in the system	200
Inventory reading time	3-5 seconds, depending on number of shelves

Connectivity specifications

Data connectivity	2G / 3G / 4G / Ethernet

Payment system specifications

Mobile payment	MobilePay – Finland and Denmark
Card payment	Nayax VPOS Touch – multiple regions

Software / Firmware

OS	Linux
User Interface	Kiosk mode with user interface and local API for integration
Protocols for integrations (Local API)	HTTP
Communication (Cloud API)	HTTPS and WebSocket
Network consumption monthly	~200Mb-~500Mb* (*depending on updates and buyer activity)

Contact us for more information:
www.selflystore.com

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