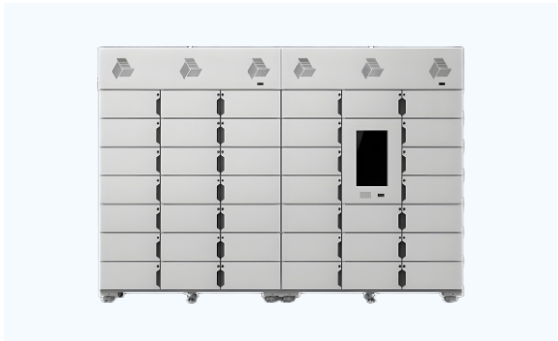




Smart Refrigeration Locker

A smart device that is specially designed for “The last mile” delivery of fresh food, and is used for the temporary refrigerated storage and circulation of fresh food. The locker resolves the difficulties in freshness retaining , improves user experience and delivery efficiency.

Business Challenges



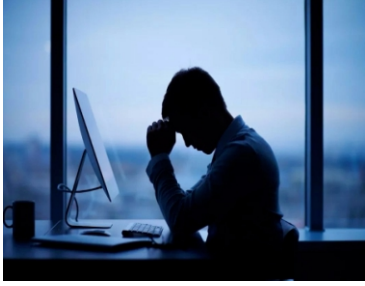
Difficult temporary storage

- 1. It is difficult to store fresh food
- 2. Fresh food is damaged and wasted easily when piled disorderly



High distribution cost

- 1. Tight end distribution schedule
- 2. Demanding distribution device



Poor service experience

- 1. Handover time cannot be guaranteed
- 2. Fresh food quality cannot be guaranteed

Solution

Zhilai has launched the smart refrigeration parcel locker to especially resolve issues of deterioration and late delivery of fresh food, drug, and other temperature-sensitive commodities during the delivery of “Last mile”. The locker fulfills the storage requirements of drugs, cold-chain food, etc., monitors real-time temperature/humidity fluctuation and triggers alarms to ensure that the commodities are in stored in a compliant environment during the whole delivery process. After the locker is deeply integrated with the supply chain system, the data closed-loop “Inventory- Delivery-Supplement” can be realized to provide reliable support for end cold chain service of retail, community medicine, etc.

Product Features

- Ensure freshness by smart temperature control
 - Smart alarm of faulty status
 - More efficient off-peak drop-off and pickup
 - Smart power regulation
 - Polyurethane foaming technology
 - Multiple protections and smart monitoring
- Independent compartments avoid taint of odor
 - 7*24 self-service
 - Smart easy quick drop-off and pickup
 - Low-decibel silent operating
 - Premium compressor
 - Digital maintenance and remote management

Product Specification

Two-column refrigeration locker with shared air duct

Starter dimension (L*D *H):	480*616*2173mm
Adder dimension (L*D *H):	1290*616*2173mm
Adder:	10 compartments
Effective capacity per compartment:	51.4L
Refrigeration temperature range:	4℃- 10℃, upper limit adjustable

Three-column refrigeration locker with shared air duct

Starter dimension (L*D *H):	480*616*2173mm
Adder dimension (L*D *H):	480*616*2173mm
Starter:	18 compartments
Adder:	21 compartments
Effective capacity per compartment:	37.5L
Refrigeration temperature range:	4℃- 10℃, upper limit adjustable

Application Scenarios



Office building



Residential community



Factory

Cooperation Cases



Refrigerated Cabinet - Jiangsu Leraoen E-commerce Co., Ltd.