

# **CATEC Auto Locker Catalogue**





#188 Suzhou Road, Yushan Hi-Tech Industry Park, Changshu 215500, Jiangsu, P.R.China Tel:+86-512-52899768, fax: +86-512-82175041 URL:<u>www.dry-cabinets.com</u> - 1 -



Changshu Catec Electronic, we are manufacturer and trader for lab humidity control equipment like dry cabinet, nitrogen cabinet, drying oven and other electronic equipment. We are pioneer in the field for humidity control solution. Also we expanded the production to auto locker for smart control stuff depositing and fetching for public places like water park, super market, entertainment garden, big plant, etc., delivery locker for smart couriers, and cell phone charging lockers. Our engineers have over 10yrs in the production fields. Most of our products are patented for the key parts and are CE plus ROHS certified. We accept OEM orders from our clients all over the world. We've set distribution agents for Europe, America, South Asia and Brazil, and have been the stable supplier for many international companies for years. So far we received almost ZERO quality complaint from our clients since we started to sell for overseas in 2005.

Now we have plant of 8,000 sq.m, production lines including metal sheeting, electronic testing, assemblying, FG test&assembly lines, and spraying houses.

We enriched our experience and knowledge in long years of manufacture, based on our management tenet of "Technology Keeping Ahead, Quality Serving Customers". We understand our clients' need, requirement and international standards. With modern equipment, advanced technology, strict quality control in production and constant technical innovating, nowadays CATEC products are welcoming in worldwide markets and become popular in various industries, such as micro-electronics, electronics, war industry, chemical industry, research institute, pharmaceutical, etc.

We are having strong confidence to supply our clients worldwide with reliable quality-price ratio and over-all service.

Contact us today if you want to have a long-term fruitful co-operation with our company!

#### Successful cases for projects of lockers in China:

Entered the Designated Suppliers of China's national security system by ministry of public security in 2010.

Anhui Chuanzhong city water world

- Yichun Tieli farm water park
- Qinling water world
- Xi'an Bisi water world

Hangzhou Lin'an Qingshan lake

Xinxin water amusement Co.,Ltd

Hualian supermarket

RT-Mart supermarket

Walmart supermarket

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Trust Mart supermarket Changzhou YaWei Mold Changzhou Police System Changzhou Frontier Corps Changzhou Penitentiary Wuxi Yuantouzhu Park Changshu Shanghu Lake State Grid Poly Group Mengna Group

# Summary of the locker

# **Applications:**

Supermarkets, stores, big malls, hotels, guesthouses, cafeteria, KTV, night clubs, bars, hospitals, drugstores, theme parks, amusement park, waterparks, zoos, tourist spots, libraries, exhibition halls, museums, stations, airports, government buildings, courts, procuratorates, prisons, etc. Locking options: padlock, ID card, IC card, coins, or barcode Power input: AC/85~220V 50/60 HZ Display: 128×64 lattice with backlighting Power consumption: 10W standby, 30W working Cabinet color options: Blue, Green, Red, etc.



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# IC/ID Card Locker

spec	cabinet size (mm)	Box size (mm)	Power	Color
				option
CT6C	W515*D430*H1800	W270*D410*H280	85~220V	Blue,
CT12C	W830*D430*H1800	W270*D410*H280	50/60 HZ	green,
CT18C	W1250*D430*H1800	W270*D410*H280	Standby 10W	red,
CT24C	W1670*D430*H1800	W270*D410*H280	Working 30W	etc.
CT36C	W2301*D430*H1800	W270*D410*H280		







# IC/ID Card Locker for Cell Phone

spec	cabinet size (mm)	Box size (mm)	Power	Color
				option
CT40C	W1200*D300*H1792	W184*D280*H154	85~220V	Blue,
P			50/60 HZ	green,
			Standby 10W	red,
			Working 30W	etc.

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#### IC/ID Card Locker for Wardrobe

# Model specs

spec	cabinet size (mm)	Box size (mm)	Power	Color option
CT4C W	W830*D430*H840	W270*D410*H280	85~220V 50/60 HZ	Blue, green,
CT6C W	W1250*D430*H840	W270*D410*H280	Standby 10W Working 30W	red, etc.
CT8C W	W1670*D430*H840	W270*D410*H280		
CT12C W	W2300*D430*H840	W270*D410*H280		

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#### **Barcode Locker**

spec	cabinet size (mm)	Box size (mm)	Power	Color
				option
CT6B	W515*D430*H1800	W270*D410*H280	85~220V	Blue,
CT12B	W830*D430*H1800	W270*D410*H280	50/60 HZ	green,
CT18B	W1250*D430*H1800	W270*D410*H280	Standby 10W	red,
CT24B	W1670*D430*H1800	W270*D410*H280	Working 30W	etc.
CT36B	W2301*D430*H1800	W270*D410*H280		

# **Special features:**

1. High grade 1mm cold rolled plate, reinforced structure, high intensity bearing and anti-erosion.

2. Convenient for stuff storage and taking-out.

3. Advanced thermal printer for barcode printing and paper cutting system.

4. Advanced reader for 100% barcode recognizing, even for bent barcode paper.

5. Sound safety to avoid wrong taking.

6. Barcode with digital for clear checking.

7. Reliable emergency system: When system error occurs and the door can not open or the barcode slip is lost or can not be read, the administrator can use the administration key to open any compartments. Even if the power is off, the compartments can also be opened.

8. Friendly clear LCD wide screen for operation instruction.

9. Local radio host recording for instruction words.

- 10. Auto infrared detection for storage safety.
- 11. Reliable data recording for checking.
- 12. Best usage of your space.
- 13. CE & RoHS certified.

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# **Coin-operated Locker**

#### Model specs

spec	cabinet size (mm)	Box size (mm)	Power	Color option
CT6C N	W900*D450*H1790	W390*D450*H403	85~220V 50/60 HZ	Blue, green,
CT12C N	W900*D450*H1790	W240*D450*H807	Standby 10W Working 30W	red, etc.
CT18C N	W900*D450*H1790	W390*D450*H323		
CT24C N	W900*D450*H1790	W240*D450*H323		
CT36C N	W900*D450*H1790	W240*D450*H269		
CT24C N	W900*D450*H1790	W240*D450*H200		

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# **Fingerprint Locker**

#### **Model specs**

spec	cabinet size (mm)	Box size (mm)	Power	Color
				option
CT6F	W515*D430*H1800	W270*D410*H280	85~220V	Blue,
CT12F	W830*D430*H1800	W270*D410*H280	50/60 HZ	green,
CT18F	W1250*D430*H1800	W270*D410*H280	Standby 10W	red,
CT24F	W1670*D430*H1800	W270*D410*H280	Working 30W	etc.
CT36F	W2301*D430*H1800	W270*D410*H280		

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# Smart Control Delivery Locker

Model Specs :

spec	Outer size (mm)	Box size (mm)		
CT40D	H1920*D450*W2361mm	Big/ H400*D450*W400 Medium/ H247*D450*W400 Small/ H112*D450*W400		

#### **Functions:**

1.Smart control for parcel depositing and fetching,

solve the problems of the last 1KM delivery of marl parcel distribution;

2.Save delivery time;

3.Improve efficiency for mail parcel transfer;

4.Save logistics distribution cost;

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5.Reliable safety for deliveries.

#### **Product Description :**

- 1) 533MHZ frequency ARM11 core processor
- 2) Support for GPRS, CDMA, 3G, WIFI, LAN and other network access
- 3) High-precision laser scan bar code
- 4) Touch LCD colorful display screen in support of Chinese
- of English tips, humanized operation steps, with video advertisement.
- 5) Non-beam structure box, beautiful appearance, economic space usage.
- 6) Multi-function IC/ID card reader, to identify staff card and consignee ID.
- 7) Tracking numbers for both distributor and consignee for mail tracing.
- 8) Voice instruction for operation is optional.

9)Box detection, to check whether parcel still

inside, the box will bounce automatically after closing.

10) Consignee can identity the retaining of his parcel

by reading his ID number.

11)Automatic illuminating for mail depositing or fetching..

12)Channel maintenance and locker police alarm, vibration alarm, ensure sec urity of the equipment.

13) Option for consignee ID long-authenticated.

14) Overtime picking up and resettable, mail fetching

by mobile phone message.

15)Administrator setting, system configuration and system management

16) Box status tracing for long-transmit.

17) Local records, articles uploading.

18) System long-updating.

19) LED screen display for advertisement.

20) Working condition: ambient temperature  $-5^{\circ}C \sim +40^{\circ}C$  plus humidity  $10\% \sim 90\%$  RH



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#### **Networked Lockers for Water Park**

#### **List of Key Materials**

No	parts	specification	supplier
1	cabinet	1.0mmgalvanized cold-rolled steel sheet	Shanghai
			Baosteel
2	crosspiece	3.0mmgalvanized cold-rolled steel sheet	Shanghai
			Baosteel
3	baseboard	1.2mmgalvanized cold-rolled steel sheet	Shanghai
			Baosteel
4	Mounted foot	3.0mmgalvanized cold-rolled steel sheet	Shanghai
	plate		Baosteel
5	central control	1.5mmgalvanized cold-rolled steel sheet	Shanghai
	door		Baosteel
6	Spray paint	paint powder(smoke test for 500 hours)	DUPONT

#### Cabinet treatment techniques:

1. Made by gas protection welding and argon-arc welding, to assure stronger structure, smoother surface, and longer durability, compared to normal spot welding.

2. Overall polished cabinet without any burr on the surface or joints.

3. Thirteen procedures for pre-treatment including acid washing, oil removing, phosphating, surface conditioning and etc..

4. Electrostatic coating by DUPONT powder with smoke test for 500 hours, uniformly spaying for endurability without color fading in long years of application.

5. Specially shaped door surface, good-looking appearance, with hands cutting avoidable. Doors and crosspieces are equipped with chains in case too large opening gap.

6. Moisture absorbent of the cabinet is less than 1%, excellent rustproof, anti-corrosion, and resistance of acid or alkali.

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7. Door plate and operation sign are made of water-proof PVC, no damage in wet and high temperature environment.

8. Wide range of colors for customer's option.

# Patented locking system

The lock is unable to be removed when box opened, but workable for administrative opening in emergency condition. It's Anti-burglar, water-proof, rust-proof, secure and durable.

#### Main parts of the locking system

No.	parts	specification	supplier
1	lock plate	2.0mm galvanized cold-rolled steel	Shanghai Baosteel
2	lock housing	ABS (engineering plastic)	Elite
3	electromagnetic lock	300,000 times of life	Taiwan
4	torsional spring	500,000 times of life	Changshu senior-spring
5	rotating component	Galvanized 45 steel	Tongda
6	Latch hook	3.0mm galvanized cold-rolled steel	Shanghai Baosteel
7	Anti-prizing contact switch (optional)	Three-channel	Taiwan

# Technical features of system hardware

1) Reliable SCM control panel, high temperature aging tested.

2) Imported quality desktop switching power supply, workable for 85V~ 265V, with working life over 80000 hours.

Working Temp:-20°C~+70°C Working Humidity:10%RH~90%RH

Storage Temp:-30℃~+85℃ Working Humidity:5%RH~95%RH

3) Back-up power: automatic switching to UPS power supply when power outage to work more than six hours with output of 20AH (max. 2A).

4) Network communication: Ethernet communication module, self-adaption to 10/100MB, German network module.

5) High Anti interference performance of electrical, with Anti-interference module both in switching power supply and control panel.

6) Reliable data recording for depositing and out-taking.

7) Speech output: voice instructions for user's operation with output of 20W. Customization is available.

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8) Wrist strap IC card, good contact plus water-proof and long life.

9) Additional Cards for administration and cleaning are optional.

10) Interface control for doors: one module to control up to 48 boxes with delay time less than one second. Multi-node network control is workable for simultaneous operation by multiple clients.

11) Display screen: dot matrix LCD screen, with pixels 128\*64, water-proof, dust-proof, clear viewing.

12) Pin pad: Matrix operation keyboard

- 13) Card reader: IC / ID card reader
- 14) Touch screen is optional for advertisement.

#### Technical data of wrist strap IC card

PU strap (silicone), ABS plate, imported Philips M1IC card chip of diameter 25mm, no effect from magnetic and electrical interference. Laser engraved surface card, clear and wear-resistant, with snap joint surface for easy replacement of the inner IC chip.

**Storage capacity:** 8Kbit, sixteen partitions, two sets of passwords for each partition

Working frequency:13.56MHZ, ISO15693 standard

Working temperature:-20℃~+85℃

Read-write distance:2.5~10mm

Read-write time:1~2MM

Re-write life-time: more than 100,000 times

Data recording: over ten years

**Packaging technology:** ultrasonic automatic wire implantation or automatic touch welding

Shape: profiled wrist strap

The wrist strap is workable as an electronic key for multi-entrance into the park and multi-opening of the locker. Also workable as an e-Wallet consumption payment in park, including goods, foods, beverage,rent and so on, with various charging modes: one-time lease, or charging by time, convenient and fast settlement.

#### Management software

We have standardized upper computer management software, customized is also available.

# Functions of the lower computer software:

1) management menu: classification layout, easy checking by flipping the screen

2) lock/unlock: abnormal boxes can be locked by administrator and unlocked

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after the problem solved.

3) open box: any of the boxes can be opened by administrator and to be synchronous with the server. It also can be operated at server-side.

4) empty box: any abnormal occupy of empty boxes can be cleared by the administrators and reallocated for use, also synchronous with the server.

5) Administrator can extend the time to fetch for free, measured in minutes.

6) No fetch permit for overtime storage can be set by administrator, measured in hours. If time out, the box can't be opened when you swipe the card. Contact the administrator when LCD screen alerts.

7) Timeout exit: the locker will be unavailable to clients and administrator in seconds (time re-settable), and return to user interface for security concern.

8) User Log-in Management: management by card plus passwords for security9) storage restrictions:one card for one box

10) offline working: boxes can be opened when network offline, data will be uploaded after online recovery.

#### **Factory overview**



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