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# Cloud Soundbox Product Catalog

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ZXInfoTek (Shenzhen) Technology Co., Ltd.



# Company profile

ZXInfoTek(Shenzhen) Technology Co., Ltd stands as a preminent provider of security chips, communication modules and payment solutions from China. Our company has been wholeheartedly devoted to the design and research & development of security chips, communication modules, and Fintech industry solutions for the payment. It has successively established in-depth collaborations with numerous world-renowned enterprises, and our products have been widely applied in fields such as finance, education, security, transportation, new energy and etc.,.

ZXInfoTek adheres to independent researching and developing and continuous innovation, having obtained multiple technological invention patents. Our security chips and application products has passed the security certification of the State Cryptography Administration in China and the Bank Card Testing Center (BCTC) of China UnionPay. Meanwhile, our communication module products have passed relevant certifications of the Ministry of Industry and Information Technology.

Our company was rated as a designated production unit and a designated sales unit for commercial cryptographic products by the state in 2015, was recognized as a national high-tech enterprise in 2018, and was appraised as a national-level 'little giant' enterprise specializing in niche sectors with refined techniques, innovative technologies, and unique products in 2022.

# Catalogue

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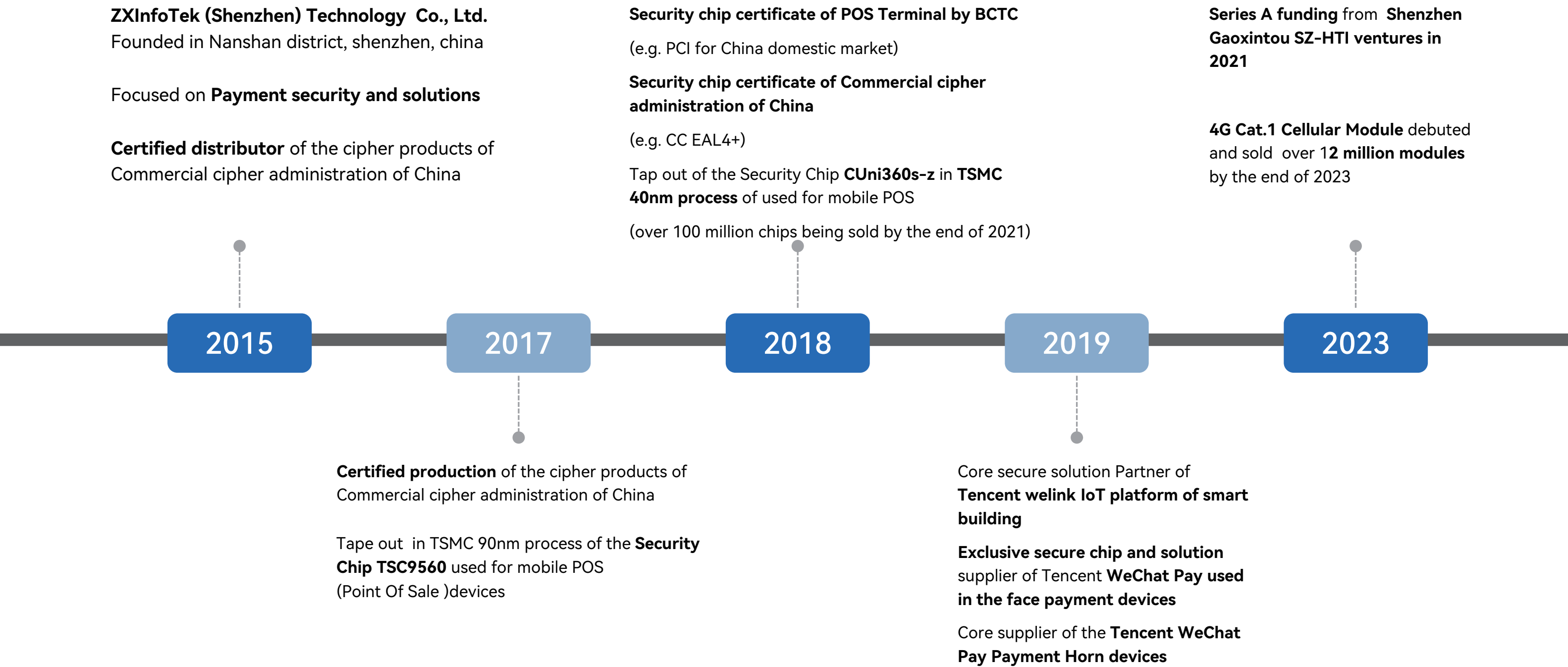
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# Evolution





# Awards and Certificates

## Certificates

- High-Tech enterprise of China
- Enterprise with products that are new, distinctive, specialized and sophisticated of China, “little giant” (小巨人)
- The enterprise with Regard for Contracts and credibility of Guangdong Province (重合同守信用企业)
- Certified production and distributor of the cipher products of Commercial cipher administration of China
- CFCA & RSE Joint (Shenzhen) Laboratory of Software Dependability Research and Evaluation
- Member of Shenzhen Semiconductor Industry Association
- Director of Shenzhen Commercial Cipher Industry Association
- Certificate of quality management system ISO9001
- Certificate of Information security management system ISO27001
- Occupational health and safety management system ISO45001



## Intellectual property

- over 100+ patents
- 3 integrated circuit layout patents





# ZL10S

ZL10SV are Cloud speaker connected to the Internet by 4G cellular, it broadcasts real-time transaction messages synchronously to prevent the loss of failed transactions in busy and crowded scenarios



## Features

- ▶ Loud Voice Broadcast
- ▶ Quickly Accessible Cloud Platform
- ▶ Loudspeaker for Merchants

## Specifications

LTE Spec.	
Module Model	ZX800SGLTE Module by ZXINFOTEK
Network Mode	FDD LTE&TDD LTE
LTE Bands	FDD:B1/B3/B5/B8;TDD:B38/B40/B41
LTE Protocol	3GPP E-UTRA Release 13
LTE Bandwidth	1.4/3/5/10/15/20M
LTE Speed	max 10Mbps(DL)/5Mbps(UL)@FDD mode max 8Mbps(DL)/2Mbps(UL) or 6Mbps(DL)/4Mbps(UL)@TDD mode
Antenna	FPC Inside
LTE Bands Antenna TRP	19±1dBm
LTE Bands Antenna TIS	≤-89dBm
WIFI(Optional)	
Protocols	WIFI 2.4GHz
Antenna	Onboard
Audio Spec.	
Speaker	3W*1
SPL@100CM	≥90dB
THD (1KHZ)	THD+N(Rated Power)≤2%
Frequency	350-20000Hz
Impedence	4 Ω
Power Spec.	
Input	DC 5V/1A
Battery	Type 3.7V/2600mAh rechargeable Li-ion Battery
Interface Spec.	
USB	Type C*1
Indictior LED	RGB*1
Key	Powerkey*1;Vol+*1;Vol-*1;Fun*1



# ZL10SV

ZL10R are Cloud speaker connected to the Internet by 4G cellular, it broadcasts real-time transaction messages synchronously to prevent the loss of failed transactions in busy and crowded scenarios



## Features

- Loud Voice Broadcast
- It offers instant broadcast with clear sound quality and a wide coverage area.
- It is equipped with a secure and reliable Internet of Things push platform.

## Specifications

LTE Spec.	
Module Model	ZX600-CH GSM&LTE Module by ZXINFOTEK
Network Mode	GSM/GPRS FDD LTE&TDD LTE
GSM Bands	GSM:900/1800
LTE Bands	FDD:B1/B3/B5/B8;TDD:B38/B40/B41
LTE Protocol	3GPP E-UTRA Release 13
LTE Bandwidth	1.4/3/5/10/15/20M
LTE Speed	max 10Mbps(DL)/5Mbps(UL)@FDD mode max 8Mbps(DL)/2Mbps(UL) or 6Mbps(DL)/4Mbps(UL)@TDD mode
Antenna	FPC Inside
LTE Bands Antenna TRP	19±1dBm
LTE Bands Antenna TIS	≤-89dBm
WIFI(Optional)	
Protocols	WIFI 2.4GHz
Antenna	Onboard
GNSS(Optional)	
GNSS	GPS(A-GPS), BDS
Antenna	external
BT/BLE Audio Spec.(Option)	
Protocols	Bluetooth V5.1+BR+EDR+BLE
Antenna	Onboard
Audio Spec.	
Speaker	3W*1
SPL@100CM	≥90dB
THD (1KHZ)	THD+N(Rated Power)≤2%
Frequency	350-20000Hz
Impedence	4 Ω
Power Spec.	
Input	DC 5V/1A
Battery	Type 3.7V/2600mAh rechargeable Li-ion Battery
Interface Spec.	
USB	Type C*1
Indictor LED	RGB*1
Key	Powerkey*1;Vol+*1;Vol-*1;Fun*1





# ZL10A

ZL10A are Cloud speaker connected to the Internet by 4G cellular, it broadcasts real-time transaction messages synchronously to prevent the loss of failed transactions in busy and crowded scenarios

## Features

- ▶ Loud Voice Broadcast
- ▶ Quickly Accessible Cloud Platform
- ▶ Loudspeaker for Merchants

## Specifications

LTE Spec.	
Module Model	ZX800SGLTE Module by ZXINFOTEK
Network Mode	FDD LTE&TDD LTE
LTE Bands	FDD:B1/B3/B5/B8;TDD:B38/B40/B41
LTE Protocol	3GPP E-UTRA Release 13
LTE Bandwidth	1.4/3/5/10/15/20M
LTE Speed	max 10Mbps(DL)/5Mbps(UL)@FDD mode max 8Mbps(DL)/2Mbps(UL) or 6Mbps(DL)/4Mbps(UL)@TDD mode
Antenna	FPC Inside
LTE Bands Antenna TRP	19±1dBm
LTE Bands Antenna TIS	≤-89dBm
WIFI(Optional)	
Protocols	WIFI 2.4GHz
Antenna	Onboard
Audio Spec.	
Speaker	3W*1
SPL@100CM	≥90dB
THD (1KHZ)	THD+N(Rated Power)≤2%
Frequency	350-20000Hz
Impedence	4 Ω
Power Spec.	
Input	DC 5V/1A
Battery	Type 3.7V/2600mAh rechargeable Li-ion Battery
Interface Spec.	
USB	Type C*1
Indictior LED	RGB*1
Key	Powerkey*1;Vol+*1;Vol -*1;Fun*1





# Product Features

## Product Features

- Loud Voice Broadcast  
Independent Buttons, There are independent buttons which can be used to adjust the volume in a cyclic manner. The maximum volume can reach over 100 decibels (which is close to the limit of tolerable noise).
- Payment Code Display Area  
It has a large display area that comes with the display of payment code information, making the product more integrated.
- Quickly Accessible Cloud Platform  
It is equipped with a secure and reliable Internet of Things push platform. The docking between the payment platform and the cloud platform can be completed simply by calling the API.
- Loudspeaker for Merchants  
It offers instant broadcast with clear sound quality and a wide coverage area.
- Flexible ID Design and Exterior Structure  
We can customized the ID Design according to customer's requirements. It can be paired with different accessories to meet the customized needs of various scenarios.

# Application Scenarios Introduction

## ► Noisy Places

For example, in places like vegetable markets, hypermarkets, shopping malls, and wholesale markets where there is a dense flow of people, high noise levels, and large crowds, the cloud speaker with a broadcast volume of over 100 decibels (which is close to the limit of tolerable noise) is loud enough to clearly announce the payment amounts among the noisy crowds.

## ► Individual Merchants

This includes individual restaurants, convenience stores, specialty stores and other independent shops. Through personalized appearance customization and the combination of different accessories, a better user experience can be achieved and the store image can be enhanced.



Vegetable market



Supermarket



Small merchants



Mall



# Product customization



Soundbox



Soundbox



Soundbox



Standee



Standee



Tap'nPay



Soundbox



## Service Scope

- Option 1: Customers provide ID design, and we offer the overall solution for the soundbox, including software and hardware solutions.
- Option 2: We provide the whole-process solution, including ID design, software, and hardware solutions.