



DATA COLLECTION DEVICE MANUFACTURER AND SOLUTION PROVIDER



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ABOUT CHAINWAY

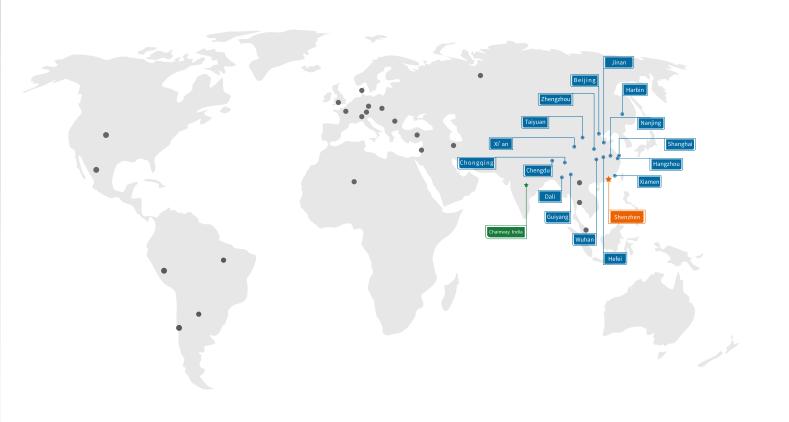
DATA COLLECTION DEVICE MANUFACTURER AND SOLUTION PROVIDER

As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co., Ltd is a professional provider of products and solutions of RFID and barcode technology. Founded in 2005, Chainway, a high-tech enterprise, has won several times the title of the Best Provider of RFID Readers.

Thousands of clients from over 100 countries have experienced our products in logistics, transportation, healthcare, finance, retail, electric power, livestock, security and manufacturing, etc. Through our nationwide offices, overseas subsidiary and an extensive partner network, we aim to provide high quality service to our clients.

CHAINWAY **

GLOBAL NETWORK



4000 +

Over 4000 customers

100 +

Customers from over 100 countries

Shenzhen-Headquarter

9F Building2, Gaoxinqi Industrial Park Phase2, Shenzhen, China 518102

Offices in China

Beijing Shanghai Hangzhou Harbin Hefei Wuhan Xiamen Zhengzhou Xi'an Nanjing Jinan Taiyuan Chongqing Chengdu Dali Guiyang

Global Distributors

Over 60 authorized distributors worldwide

Chainway India Pvt. Ltd

604, Tower B, Global Business Park, MG Road, Gurgaon, Haryana, 122002, India



OUR PRODUCTS

As a professional data capture terminal manufacturer, Chainway is dedicated to providing more convenient, reliable and rugged industrial products to clients from various industries. Now Chainway has the following main product systems-rugged handheld computers, vehicle computers and UHF RFID modules.

Chainway products are integrated with 1D/2D barcode scanning, full-band RFID reading and writing, fingerprint recognition, NFC, GPS, and infrared communication, and support multiple types of wireless communication such as 4G LTE, 3G network, Wi-Fi and Bluetooth. Our products help customers manage real-time data in logistics, transportation, healthcare, finance, retail, electric power, livestock, manufacturing, etc.

OUR PRODUCTS

C70

INDUSTRIAL HANDHELD COMPUTER



5.2-inch FHD IPS display, efficient barcode scanning, accurate iris recognition, reliable NFC, 13MP autofocus camera, are all integrated into this slim and thin device. You will be impressed by its superb performance.

C72

UHF RFID READER



Being powerful in configuration, battery, the ability to withstand damages and UHF RFID reading, C72 can read dense tag populations in a few seconds. It is Ideal in the management of warehouse, container and parcel.

H100

HEALTHCARE MOBILE COMPUTER



Designed especially for healthcare, H100 is portable and strong in its solid and modern body. Functions include accurate barcode scanning, NFC, 13MP autofocus camera, fingerprint recognition, and pupil penlight.

C6000

INDUSTRIAL HANDHELD COMPUTER

Ultra-fast 4G LTE, dual-band WIFI, Android 6.0 OS, quadcore CPU, excellent barcode scanning, NFC, waterproof, dustproof and drop-proof, you can expect C6000 a high performance in your industry.

C3000



INDUSTRIAL HANDHELD COMPUTER

It has great capabilities of data processing. Barcode scanning, full-band RFID reading, fingerprint recognition, GPS, and high resolution camera make the device popular in multiple applications.

C71

INDUSTRIAL HANDHELD COMPUTER

Precise barcode scanning, UHF RFID, industrial fingerprint recognition, NFC, infrared, iris recognition, dual-slots for PSAM cards, C71 series have various models to authenticate ID, read meters and read IC cards.

C75



HANDHELD COMPUTER WITH PRINTER

C75 is a high-performance handheld computer configured with thermal printer. It prints receipts, tickets, invoice, etc. fast and quietly, suitable for retail and parking ticketing applications.

V600



VEHICLE-MOUNTED COMPUTER

V600 proves itself a perfect choice in vehicle management for its smooth Android OS, fast 4G LTE, accurate GPS & Beidou, IC card reading, fingerprint & facial recognition, dual-channel cameras, and OBD capabilities.

C4050/C4000



INDUSTRIAL HANDHELD COMPUTER

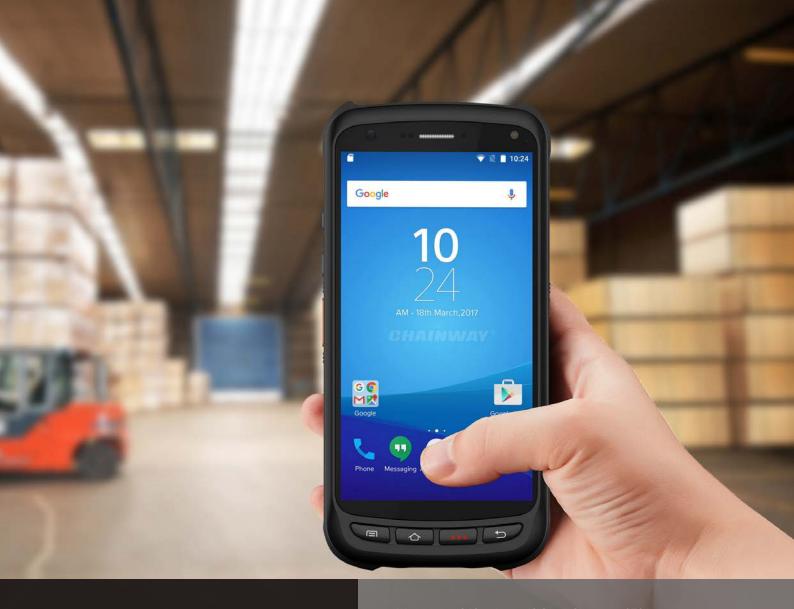
Based on the latest technology, it collects wanted data by barcode scanning, full-band RFID reading, NFC, fingerprint, infrared, camera, GPS, etc. You can always find your preferred data collection option.

CM-1/4/8/12/Q



UHE REID READER MODULE

Chainway UHF RFID module is a self-develeped one with high integration level. This module appeals to challenging industries like warehousing, logistics, apparel and production lines.



C70

Industrial **Handheld Computer** Weighing at 242g, thin as 13.8mm, Chainway C70 brings you extraordinary light experience for confident business. 13MP autofocus camera and 5.2-inch HD display create and demonstrate details as vivid as life. Multiple tasks run seamlessly on 2GB RAM and Android 6.0 system. Corning® Gorilla® Glass inlaid in flawless uni-body makes C70 solid and strong. Precise barcode scanning and NFC never miss your wanted data.



Wireless Communication



WIFI











1D Barcode

2D Barcode

Product Functions

6

Camera

Powerful Application Performance

Chainway C70 is a business-ready device with Android 6.0 system and industry-leading quad-core CPU. With 2GB RAM, 16GB ROM and a TF card slot up to 32GB, you can handle multiple tasks smoothly without a worry.

Large 5.2-inch 1080P Display

C70 adopts a large 5.2-inch 1080P screen, which provides a vision more true to life, even under direct sunlight, and a rugged Corning® Gorilla® Glass capacitive touch panel, which supports accurate touch gestures and offers extra protection to the device.

Bold, Free from Damage

C70 is your good companion, especially under harsh industrial environment. Certified IP67, this device is protected against water spills and dust. It also can survive multiple falls from 1.8m high.

Stay Connected Without Interruption

Choose the most suitable wireless connectivity - 4G, WiFi and Bluetooth – in your applications. You can always have stable and fast communication.

Thin, Light, Portable

A solid frame with precision craftsmanship, a smooth and simplified form, a perfect combination of lightness and beauty. C70 fits comfortably in your hand and brings convenience and intelligence to your work.

Long Battery Life

The powerful rechargeable Li-ion battery (4000mAh) enables you to fulfill a whole day's work easily. You will not be frequently interrupted by power off anymore, all helping you gain higher efficiency in your business.







Efficient Barcode Scanning

C70 can be configured with best-in-class Zebra 2D image scanner, which gives it the capability of decoding all kinds of 1D/2D barcodes with high accuracy and speed. C70 delivers satisfying results even when reading those stained or damaged barcodes.



Iris Recognition at Your Hold

Everyone's irises are unique and stable for a lifetime. They are almost impossible to copy, which makes iris recognition extreme resistant to false matches. C70's iris scan delivers a false acceptance rate (FAR) performance of 1 in 10 million.



NFC communication

C70 supports near-field communication, whose distinctive features such as high security, fast and stable connectivity, and low power consumption meet the needs of user authentication and e-payment.



Other Functions

13MP autofocus camera with flash records images/videos in your work with high quality. C70 integrates accurate GPS that provides detailed location information, playing an important role in the field of modern logistics and transport, fleet tracking, asset tracking, etc.



C71

Industrial Handheld Computer C71 series are born with high performance and ergonomic design. They feature 5.2-inch large display, powerful battery, ultrafast wireless connection, and abundant data capture options, including high-performance 1D, 2D barcode scanning, accurate fingerprint scanning, long-range infrared meter reading, RFID reading, NFC communication, iris recognition, and PSAM.





Wireless Communication



4G



WIFI



Bluetooth

Product Functions











1D Barcode

HF/NFC

ode 2D Barcode



InfraRed

Fingerprint

PSAM

IRIS

Camera



CDC

C71

Be there to Meet your Different Industrial Needs

Efficient Processing with Excellent Performance

Powered by 1.3GHz quad-core CPU and Android 6.0 system, C71 delivers balanced performance with efficient task management and high speed processing power. It features 2GB of RAM, 16GB of ROM, and a micro-SD slot for memory card up to 32GB.

Fit in Your Hand

Stunning design, slim body and flowing curves are all integrated in one single device, making it delight to hold. It is a perfect example of ergonomic brilliance.

Nowerful Battery, Rugged and Reliable

5000mAh battery enables you to do more, and do it better. C71 is able to withstand prolonged exposure to water, dust, -20/50°C temperatures, and multiple falls 1.8 meters high to cemented ground.

Large 5.2-inch 1080P Display

C71 adopts 5.2-inch 1080P IPS LCD screen and rugged Corning® Gorilla® Glass capacitive touch panel. It supports multi-touch operations with wet or gloved hands, and provides a vision that is true to life.

Uninterrupted Wireless Connectivity

With a variety of options including 4G LTE, Wi-Fi and Bluetooth, C71 will never interrupt your work either indoors or outdoors with high-speed connectivity.

Abundant Data Capture Functions

C71 can be integrated with a variety of data capture functions including barcode scanning, HF RFID, iris scanning, NFC, 13MP autofocus camera, accurate GPS.





More Optional Functions

PSAM InfraRed



Higher Security Level with PSAM

C71 can also be configured with built-in PSAM slots to enhance the security and cryptography performance, making it popular to collect fee in public buses, metros and cars parking on street.



Meter Reading in Long Distance

C71 can be integrated with Infrared function, enabling it to read water, electricity or gas meters from long distance and with high accuracy.

More Optional Functions

Fingerprint UHF



Capacitive TCS1



Capacitive TCS2



Optical



UHE

·

Accurate Biometric Authentication

C71 can be equipped with fingerprint module that is FIPS and STQC compliant with multiple template formats available. Along with iris recognition, C71 fully meets needs of identity verification.



Built-in UHF RFID

C71 with UHF module provides new levels of UHF RFID performance. It supports EPC C1 GEN2 / ISO18000-6C protocal and adopts 1dBi circularly polarized antenna to enable accurate tag reading.



C72 UHF RFID Reader

With powerful performance, C72 lets you experience superior operating efficiency. It sports 5.2-inch display, long-lasting battery, fast wireless connectivity, and strong RFID UHF reading capabilities, which enables users to read numerous RFID labels in a very short time. C72 also performs excellently in barcode scanning, NFC, GPS, iris recognition, camera, and real-time communication. High IP rating and rugged body give this device

Wireless Communication







Bluetooth

Product Functions









UHF

1D Barcode 2D Barcode







NFC/HF

Camera



Migh Processing Ability

Powered by ultra-fast quad-core CPU and stable Android 6.0 system, C72 delivers balanced performance with efficient task management and high speed processing power under 2GB of RAM and 16GB of ROM.

Large 5.2-inch 1080P Display

C72 adopts a large 5.2-inch 1080P screen, which provides a vision more true to life, even under direct sunlight, and a rugged Corning® Gorilla® Glass capacitive touch panel, which supports accurate touch gestures and offers extra protection to the device.

Migh Ruggedness and Durability

With high IP rating, C72 is highly dust-proof and water-proof. This durable device can sustain multiple drops to the concrete ground. Longtime use under harsh environments is never a problem.

4G LTE — Faster Connectivity

With a variety of options including 4G LTE, dual-band Wi-Fi and low-consumption Bluetooth, C72 will never interrupt your work either indoors or outdoors. You will always have a fast and stable network connectivity.

Designed to Stay Long and Longer

The high-density lithium polymer battery (LiPo) perfectly affords long time task. C72 provides longer hours of use and standby. The charging speed is accelerated so flash charge is realized. LiPo has a long lifespan, and is safe and secure.







Superior UHF RFID Reading

C72 provides faster and better UHF RFID reading performance. It can be equipped with R2000 linearly or circularly polarized antenna. The latter allows an indoor reading range of 10m and open outdoor of at least 20m. You can choose on needs.



High-resolution Camera

13MP autofocus camera with flash helps capture high-quality clear images or videos as you want, even in dark or back-lit environment. C72 always enables users to capture moments they want to keep without efforts.



Accurate Barcode Scanning

C72 can be equipped with Zebra scanning engine, which gives it the capability of decoding all kinds of 1D/2D barcodes with high accuracy and speed. C72 delivers satisfying results even when reading those stained or damaged barcodes.



Other functions

C72 integrates accurate GPS that provides detailed location information anytime and anywhere. NFC module can read common S50, S70 chips with high accuracy. Iris recognition scans iris in a short time and generates highly accurate results.



Handheld Computer with Printer

engines and prints labels and receipts. Built-in dual slots are for PSAM cards to encrypt data. Portable and durable, this device is the perfect multi-use tool for your advanced data capture and mobility needs in retail, parking, etc.





Wireless Communication







WIFI



Bluetooth

Product Functions



Printer

NFC



PSAM

0

IRIS







1D Barcode 2D Barcode





Camera

🔪 Stable System, Sizable Memory, Ultra-fast Processor

Android 6.0 operating system brings familiar user experience as Android smartphones. Quad-core processor and 2GB RAM + 16GB ROM deliver high processing speed and smooth multitasking.

Clearer Display, Better Visual Experience

C75 deploys a beautiful rugged 1080P 5.2-inch display. Corning® Gorilla® Glass makes the touch panel damage and scratch resistant. It supports operations with wet fingers or gloved hands. A wide range of industrial uses are permitted.

Prolonged Standby Time

The powerful Li-ion battery support flash charging. Now you do not have to worry that your business would be interrupted by power off anymore.

Dual-slots of PSAM Cards for Added Security

C75 is equipped with dual slots for PSAM cards. In support of ISO7816 protocol and multiple access manners, C75 offers a higher security level. Application areas include mobile payment, on-street parking, etc.







Outstanding Thermal Printing Capability

C75 is configured with a high-performance thermal printer, which has an 85mm/s printing speed. It prints receipts, tickets, invoice, etc. at low noise and power consumption, suitable for mobile applications in government, finance, public sector, logistics, retail, and parking ticketing.



Near-field Communication

C75 supports NFC of protocols of ISO1443A/B and ISO15693. Its distinctive features such as high security level, fast and stable connectivity, and low power consumption meet the needs in user authentication and e-payment.



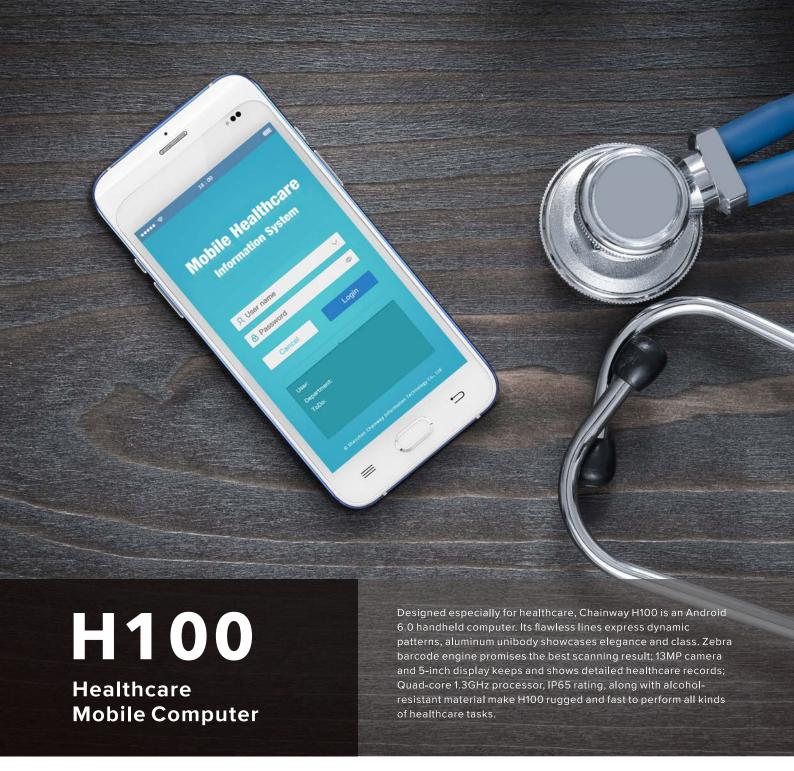
Efficient Barcode Scanning

C75 can be configured with high-performance barcode engine including that of Zebra. It decodes 1D/2D barcodes with high accuracy and speed, even those damaged and poor quality codes. It supports mobile barcode payment by scanning customers' barcodes and then prints tickets.



High-Definition Camera

C75 boasts a 13MP autofocus color camera with flash. With OCR application, it can realize automatic recognition of ID documents and license plate number. You can use this device in parking fee collection.





Wireless Communication



4G



WIFI



Bluetooth

Product Functions



1D Barcode



2D Barcode



NFC



Fingerprint



Camera



GP

Unexpected Speed and Efficiency

Integrated with Android 6.0 OS, H100 delivers familiar user experience as Android smart phones. With 2GB RAM plus 16GB ROM, users will enjoy more fluent and productive workflow.

Fit in The Palm, Appeal to The Eye

The uni-body design with sleek metal edges, crafted body and curved shell make this device a new classic. 5" 1080P display delights your eyes, and sits perfectly balanced in the palm of your hand. Modern, elegant and comfortable.

Protect Patient, Protect You

With a 25° tilt angle of the scan sensor recommended by healthcare authorities, H100 enables healthcare providers to get the most accurate scanning result with the minimum effort of the wrist.

Stay Connected Anytime Anywhere

Incredible 4G LTE and dual-band Wi-Fi brings the optimum connectivity. Integrated dual SIM cards support maximizes frequency roaming.

Bimetal Compound Casting

H100's curved metal cover is crafted from anodized aluminum like iPhone. Inside, nano molding technology integrates the aluminum magnesium alloy into flawless unibody, protecting the device from fragility. H100 is a perfect combination of beauty and durability.

Take All into Consideration

- Support the do-not-disturb mode by replacing scan tone with light when in quiet ward.
- Integrate pupil penlight in the device, enabling nurses to handle everyday task with more ease.
- Secure and convenient, unlock this device with the back fingerprint sensor.











Scan It All

Best-in-class Zebra barcode imager scans it all-smudged, scratched or poorly printed barcodes of medications, samples, and patients' wristbands – effortlessly.

See It, Touch It, Hear It, Take It

- The scratch-resistant screen protects the device from damage.
- 5-inch FHD LTPS multi-touch screen shows bright colors and visuals.
- Box boomsound, noise-canceling dual microphones, ideal for communicating in noisy environments.
- One full charge will get H100 to work over 12 hours.
 Charging cradle is optional for anytime charging.

Collect Data in Multiple Ways

H100 is NFC-enabled to read RFID wristband. High resolution 13MP camera takes high quality pictures of patients and medical process.

Remember It To Be Reliable and Rugged

- IP65 rating, 1.5m falling, working temperatures from -20°C to 50°C, it is highly resistant to damages and has passed strict Signal Test and ESD Test
- Alcohol-resistant material allows alcohol-based constant disinfection.





Wireless Communication







WIFI



Bluetooth

Product Functions



OBD









Fingerprint



1D Barcode



ΗF

e 2D Barcode



Camera



GPS

Powerful Application Performance

This device features powerful quad-core processor, secure and fluent Android 5.1 operating system, together with 1GB/2GB of RAM, 8GB/16GB build-in flash storage, plus a SD card slot that can add up to 64GB of memory. Multiple tasks can run smoothly without any problem.

Wireless Connectivity

V600 provides enterprises with anywhere anytime real-time connectivity by Bluetooth, fast 4G LTE network and stable Wi-Fi.

Wide Applications

V600 collects vehicle status, records drivers' driving behavior, and monitors what happens in the cabin and on the road. It caters to school buses, instructional vehicles, taxis, trucks, coaches, etc.

Migh-resolution Display

The high-definition 5.5-inch 720P capacitive touch panel enables you to adjust backlight brightness as you desire. You can see clearly under any kind of conditions.



Product Display



(Multi-channel Cameras

Configured with multi-channel external cameras, V600 can take photos and videos simultaneously and send those records to the backend management server. Nonvolatile memory ensures information storage under conditions of power off or network off.

(OBD Capability

V600 displays diagnostic data from your vehicle, such as speed, fuel economy, and malfunctions. It helps analyze driving behaviors and gives pertinent suggestions. Professional vehicle fault diagnosis is realized to ensure road safety and prolong life span.

Identity Authentication

V600 can collect and verify fingerprints and IC cards of drivers and passengers. With the help of software, face recognition can also be realized. These various options facilitate security control and vehicle management.

Accurate GPS

V600 collects vehicles' location, speed, and route in real time. Geo-fencing ability ensures vehicles always run in locations where their services are permitted. When emergency occurs, drivers can send SOS messages or make phone calls to emergency center.



Handheld Computer

dual-band Wi-Fi. C6000 has been chosen by users from logistics, healthcare, retail, warehousing, etc.



Wireless Communication







Bluetooth

Product Functions









1D Barcode

2D Barcode

Camera





Strong Performance

Integrated with Android 6.0 OS, C6000 delivers familiar user experience as Android smart phones. With quad-core processor, 1/2GB RAM plus 8/16GB ROM, 32GB TF card expansion, this easy-to-operate device realizes smooth multiple-task operations.

Uninterrupted Wireless Connectivity

4G LTE cellular network, Bluetooth and dual-band Wi-Fi (2.4G+5G) ensure that users always have the best network connection to transmit data and share information anywhere anytime.

Long-lasting Battery

Powerful 4000mAh battery provides at least 12 hours of regular use. When you are not using your C6000, you can have an unprecedented 300 hours' standby.

Unique Practical Design

4-inch display and touch screen inlaid in scratch-resistant plastic shell and creative body design. The pocket-sized C6000 is comfortable to grip. It allows single-handed operations in various fields of mobility applications.

Rugged and Durable

C6000 is highly rugged, compact and durable. The device can survive multiple falls from 2m to the concrete ground. With an IP65 rating, it works as normal under dusty or humid environments.







Barcode Scanning

C6000 can be integrated with best-in-class Zebra scanning engine to offer faster and more precise scanning result. To those stained or damaged barcodes, C6000 can read them with high speed and accuracy.



High-resolution Camera

8/13MP autofocus camera with flash records highquality photos and videos, even in dark or back-lit environment. Users can always capture moments they want to keep.



NFC Capability

C6000 supports near-field communication, whose distinctive features such as high security, fast and stable connectivity, and low power consumption meet the needs of user authentication and e-payment.



Other Functions

C6000 integrates accurate GPS that provides detailed location information anytime and anywhere, playing an important role in the field of modern logistics and transport, asset tracking, etc. PSAM slots enable users to use PSAM card to encrypt data.



C4050/C4000

Industrial **Handheld Computer** possible battery performance. The ultra-fast 4G network (C4050) and stable Wi-Fi connectivity provide fast data transmission. Data is collected by LF/HF/UHF RFID reading, accurate 1D/2D barcode scanning, fingerprint recognition, NFC, infrared, camera, etc. With such high flexibility and reliability, C4050/C4000 will never let you down.



Wireless Communication



4G/3G



WIFI



Bluetooth

Product Functions



2D Barcode



RFID

(Q)

Camera





Fingerprint



1D Barcode



PSAM



InfraRed

M Impress You From Inside

Android system offers you familiar and simple operating experience. High-performance quad-core CPU and 1/2GB RAM plus 8/16GB ROM configuration are free for you to choose based on your actual needs.

Varied Fast Connectivity

Flexible connectivity options, including 4G network (C4050), dual-band Wi-Fi (C4050) and Bluetooth, ensure that you always have the best network connection and stay connected wherever your work takes you.

Strong and Durable

C4050/C4000 is rugged and durable. With an IP64 rating, this device stands rough conditions nevertheless it is set out to dirt, dust and humidity. It also survives multiple falls from 1.2-meter high to the concrete ground.

Powerful Battery

C4050/C4000 sports a 3200mAh battery combined with optional pistol battery of 5200mAh, which means the total 8400mAh capacity keeps you staying connected for longer hours. The pistol is comfortable to grip and carry.



Product Display











Excellent Barcode Scanning

It is equipped with state-of-the-art 1D/2D barcode scanning engine, which can decode numerous obscured barcodes with high speed and accuracy. C4050/C4000 is a great helper in industries like logistics and express.



LF/HF/UHF RFID & NFC Reading

You can either use LF with antenna extension rod to manage livestock, UHF with information collection capabilities to track inventory, or NFC to realize user authentication and e-payment. Full-band RFID and NFC reading capabilities meet all your needs.



Accurate Fingerprint Scanning

C4050/C4000 is equipped with the advanced capacitive TCS1/TCS2SS fingerprint sensors, which correspondingly obtains FIPS, STQC or ISO certificates and can effortless recognize and store fingerprint information.



Explore More Functions

Infrared helps read various meters in long range, making it popular in meter reading. 8MP autofocus camera with flash can take photos and shoot videos. PSAM slots enable users to use PSAM card to encrypt data, further ensuring data safety.



C3000

Industrial **Handheld Computer** Chainway C3000 is a WinCE 6.0-based mobile computer, featuring a powerful processor and rich functions. Its capability of data capturing, including full-range RFID reading, 1D/2D barcode scanning, fingerprint recognition, GPS, and camera, together with its various wireless communication options - Wi-Fi, Bluetooth and 3G, makes C3000 popular in application like retail, logistics, warehousing, manufacturing, animal tracking, etc.



Wireless Communication







Bluetooth

Product Functions









1D Barcode

2D Barcode



PSAM

6 Camera

Powerful Application Performance

Based on Windows CE 6.0 system, C3000 features a fast and powerful processor, 256MB RAM, 4GB build-in flash storage, and a SD card slot that can add up to 32GB memory. Multiple tasks handling is ensured.

Rugged and Compact

C3000, built for use in harsh industrial and outdoors environments, is IP65 sealed to withstand prolonged exposure to water, dust, -20/50°C temperatures, and multiple falls on all 6 faces from 1.5 meters to cemented ground.

Fast Wireless Connectivity

Whether indoors or outdoors, C3000 provides a fast and stable connectivity with a variety of wireless communication options including 3G, Wi-Fi, and Bluetooth. Users can choose a preferred connectivity based on their need.

Dual Batteries

With the 3200mAh main battery and the optional 5200mAh pistol battery, C3000 gives you more time to handle your daily tasks without worrying about running out of power. The pistol grip also provides superior user comfort.



Product Display











1D/2D Barcode Scanning

C3000 can be integrated with best-in-class Zebra barcode scanning engine, which can even decode obscured barcodes, such as those on parcels that have been stained during the long haul and multiple transfers.



Full-band RFID Reading

C3000 supports LF, HF and UHF. It is not only perfectly suitable to track livestock using LF with antenna extension rod, but as equally powerful to check inventory using UHF, satisfying your varied industrial needs.



Fingerprint Recognition

C3000 is equipped with the advanced capacitive TCS1/TCS2SS fingerprint sensors, which correspondingly obtains FIPS, STQC or ISO certificates and can effortless recognize and store fingerprint information.



Explore More Functions

5MP autofocus camera with flash records photos and videos. Accurate GPS provides detailed location information anytime and anywhere. PSAM slots enable users to use PSAM card to encrypt data.

UHF RFID Module Series

Deliver Better-than-ever UHF Performance

CM-1

UHF RFID Reader Module

Chainway CM-1 is a single channel UHF RFID reader module with high performance. With high integration level, this reliable module is small in size, low in power consumption. It is also resistant to electromagnetic interference and good at heat dispersion. The module appeals to challenging industries like warehousing, logistics, apparel, production lines and such.



Superior Heat Dispersion Capacity

The internal heat sink made of heat sensitive material delivers great heat dispersion capacity. Temperature protection can be set to sustain continuous use.

Strong Stability and Monitoring System

It works continuously without crash even deploying it under extreme environment. It can also detect antenna connection and protect RF receiver.

Low Voltage & Power Consumption

It operates perfectly well under DC 3.5V power input. It is born with low power consumption, which significantly extends the service time of UHF devices.

It employs impinj Indy R2000 chip, enabling excellent experience of UHF RFID reading and writing with high precision, wide angle and low-phase noise.

Excellent Reading Performance

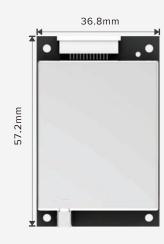
The reading range is over 10 meters when using the 4dBi antenna, and rate over 200 tags per sec. The self-developed anti-collision algorithm makes it ideal to read numerous tags.

Outstanding Consistency

It adopts high-precision and reliable components to ensure high consistency. It is definitely a masterpiece of consistency.

Dimensions









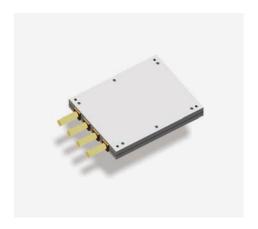


CM-4

UHF RFID Reader Module



Chainway CM-4 is a four-channel UHF RFID reader module that can be used in mobile or fixed UHF RFID readers, integrated RFID readers, etc. This reliable module is small in size, low in power consumption, and high in stability. It is also resistant to electromagnetic interference and good at heat dispersion. The module appeals to challenging industries like warehousing, logistics, apparel, production lines and such.

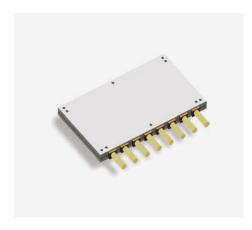


CM-8

UHF RFID Reader Module



Chainway CM-8 is an 8-channel UHF RFID reader module integrated in mobile or fixed UHF RFID readers and etc. With high integration level and superb performance, this module is low in power consumption as well. It is also resistant to electromagnetic interference and good at heat dispersion. The module is ideal for industries like warehousing, logistics, apparel, production lines and such to boost efficiency.

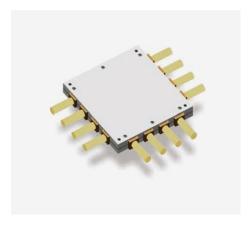


CM-12

UHF RFID Reader Module



Chainway CM-12 is a 12-channel UHF RFID reader module. It can be integrated in mobile or fixed RFID readers, integrated RFID readers and etc. With high integration level, this reliable module is low in power consumption, resistant to electromagnetic interference and good at heat dispersion. The module appeals to various demanding industries like warehousing, logistics, apparel, production lines and so on.



CM-Q

UHF RFID Reader Module



Chainway CM-Q is a self-developed compact UHF RFID reader module which can be integrated in mobile or fixed RFID readers, integrated RFID readers and etc. With high integration level, this reliable module is quite small in size, low in power consumption. It is also resistant to electromagnetic interference and good at heat dispersion. The module performs well in warehousing, logistics and healthcare.





Charging Dock SeriesMultiple Options To Choose From

Applicable to: C70, C71, C72, H100, C6000

Chainway has designed several charging docks - single charging dock, quad magnetic charging dock and charging stand rack. The charging rack includes circled charging stand and double-side charging rack. These options are flexible for customers to choose based on their actual needs. The elegant and strong design makes the charging docks ideal for in-door use in retail, hospital, etc.



CASE STUDIES

Chainway handheld computers cater to the needs of multiple industries, helping streamline workflows, enhance working efficiency and contain operating costs.

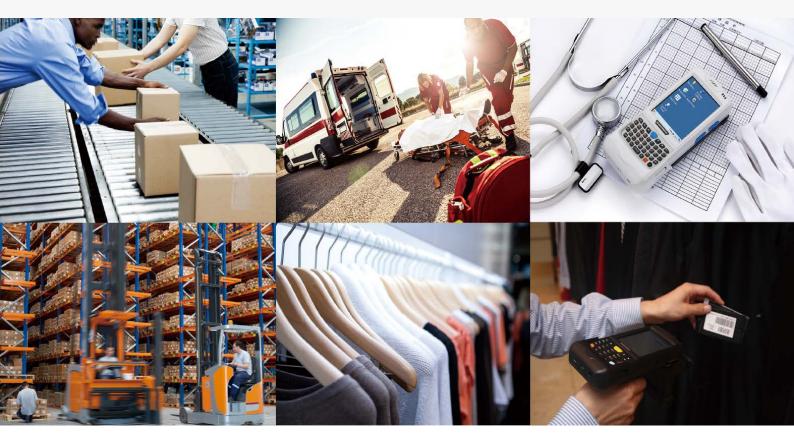
Until now, we have provided industrial PDAs and intelligent solutions to more than 4000 clients worldwide from over 20 industries including transportation, driving training, logistics, warehousing, retail, energy, healthcare, manufacturing, finance, livestock, etc.

4000+

Over 4000 customers
Customers from over 100 countries

20+

Customers from over 20 industries





WAEC (West African Examination Council) hold unified examination annually within its member countries, namely, Nigeria, Ghana, Senegal, Liberia, and Sierra Leone. Every spring and summer, about 2.2 million candidates take examinations in 15,000 test centers in Nigeria. WAEC is responsible for making plans consisting of exam site, time, subjects and frequency for each region and monitor candidates effectively.

CHALLENGES

Lacking an efficient management system and oversight mechanism makes it difficult for each region to arrange exams properly. Invigilators need compare candidates' photos on the paper with their faces manually to confirm that nobody substitutes others to take the exam, but the paper may be tampered with. Cheating may sometimes occur. The system cannot record all data of each exam, not conducive to the follow-up comprehensive student analysis.

SOLUTIONS

Chainway C2000 adopting RFID technology can read and match candidate identity intelligently, upload all recorded info to the backend database via wireless communications for convenient future information inquiry, helping achieve systematic storage of data about all examinations.

EFFECTS

The system helps the Council properly make plans and efficiently arrange exams. PDA intelligently identifying candidate identity effectively reduces cheating. All information like examinee name, the number of examinees and schools where they come from can be all recorded, saved and checked in real time.





Mexican Ministry of Social Development is committed to offering social welfare and relief to the crowd (including students) in need so as to achieve the country's common prosperity. However, due to heavy funded population, manual identity match during distribution is inefficient and phenomena like false claim and repeating receipt often occur, so that the government cost is often beyond the financial budget.

CHALLENGES

Manual identity verification is time-consuming and errorprone. It sometimes results in false claim and repeated receiving, making cost uncontrollable. Pictorial information cannot be captured and recorded so there lacks more precise basis for identity verification.

SOLUTIONS

The client deploys Chainway C4000 handheld computers integrated with camera and fingerprint scanning functions, to optimize the processes of identity verification and complete information collection of the sustentation recipients.

EFFECTS

Chainway helps the Ministry set up a sound sustentation system and database. Chainway PDA realizes identity verification quickly and precisely, effectively reducing false claim and repeated receiving. The collection of applicant information becomes more convenient. A more complete recipient profile database is established, helping optimize the funding process, increase efficiency and reduce costs. With wireless connection, applicant information can be recorded, saved and obtained at any time. The portable PDA with great mobility facilitates the sustentation for people in remote areas.





Efficiency and accuracy are vital to the healthcare industry. More hospitals are now resorting to new technology to improve patient care and operation efficiency.

SOLUTIONS

Chainway mobile C6000 with an APP installed and wireless communication available, is able to connect seamlessly to the hospital's present HIS system. Healthcare providers can save, verify, and check all patient-related info anytime and anywhere.

CHALLENGES

The HIS system in a Sichuan hospital now can't meet the needs of mobile healthcare and lacking detailed records is a barrier to have positive patient outcomes. It is also hard to do performance assessment and effective staff scheduling.

EFFECTS

The system not only reduces human error and enhances patient safety, but increases staff productivity, holds down operating costs.

Leverage RFID Technology to Realize Real-time Blood Unit Traceability

BACKGROUND

Patient safety associated with blood transfusion has received considerable attention recently as errors may cause catastrophic morbidity or mortality.

CHALLENGES

The Poland hospital can't effectively distinguish blood units or reliably track blood from the donor to the recipient. Human error may occur at any step, and there is no visibility into real-time stock.

SOLUTIONS

Chainway C5000 with barcoding and RFID functions manages to realize auto identification, data management and movement tracking of blood units. It can achieve improved visibility into inventory of all types of blood units.

EFFECTS

It improves identification efficiency and accuracy. Contactless reading prevents blood from contamination. Besides, PDA can issue a warning if blood is near expiration.





The user, a famous Chinese department store chain, offers a variety of products for retail sale, whose urgent need is to enhance quality of service and hold down costs.

SOLUTIONS

Configured with circular polarization antenna, RFID and wireless communication functions, C3000 UHF reader realizes apparel stock-taking in bulk and real-time information inquiry for field sales.

CHALLENGES

It takes time to obtain information about clothes that customers require at the store. Inventory check by manual operations or barcode scanners, second data input on a fixed computer are inefficient and errorprone.

EFFECTS

Quick response to customer needs enhances shopping experience and store image. Stock-taking in bulk eases off workload and improves efficiency. Headquarters can better learn sales status and adjust marketing strategy in time.

How to Get Started With Retail Chain Visibility

BACKGROUND

1b.ru is a new concept retail chain specialized in beauty and health products. Besides product quality, they strive for better consumer shopping experience.

CHALLENGES

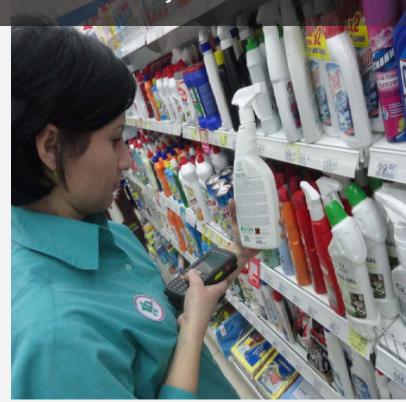
It is difficult to locate one exact merchandise. Manual stock taking leads to heavy workload and high error rate; replenishment can't be made in time. Headquarters can't learn newest sales data to adapt to the changing market.

SOLUTIONS

C5000 automatically identifies goods by scanning the unique 2D barcode. During stock-taking, sorting and warehouse management, workers can quickly and accurately collect, match and upload information of all merchandises.

EFFECTS

It realizes intelligent stock-taking, sorting and warehouse management. Real-time inquiry of inventory stops stock out. All eventually lifts service level and customer satisfaction.





Flipkart, India's biggest e-commerce company by far, started out in 2007 as an online book distributor but has ever since expanded its range of merchandise to include home appliances, digital products, apparel and more.

SOLUTIONS

After each commodity is matched with a unique barcode, C4000 can realize efficient goods identification, sorting, distribution, and tracking. Besides, key information of each order throughout the whole process can be transmitted to the database via wireless networks.

CHALLENGES

Increased number of commodities in flow makes manual picking and sorting laborious and error-prone, and the expanding supply and distribution channels makes overall administration more difficult. Flipkart is unable to track the movement of goods.

EFFECTS

Chainway helps eliminate manual operation and promote visibility of Flipkart's operational procedures. It achieves interconnection among national logistics centers.

Logistics Management for E-commerce Enterprises in China and Russia

BACKGROUND

Manual operations in warehouse are time-consuming and error-prone; delays often happen and unexpected events cannot be handled in real time. Tracking records are not available, resulting in poor shopping experience.

CHALLENGES

By applying barcode technology to Chainway PDAs, key information of each order throughout the process, from order picking to goods delivery is recorded. By uploading information to the backend system through wireless network, administrators can have real-time access to all information.

SOLUTIONS

Chainway PDA realizes intelligent receipt and delivery, thus saving costs and ensuring accuracy, enables real-time logistics tracking and streamlined workflows, thereby enhancing corporate image, service level and customer satisfaction.





China's economy is under rapid development, which is accompanied by substantial cash flow both in bank vault and between its outlets every day. A state-owned bank decided to make efforts to improve financial security.

SOLUTIONS

Each cashbox is equipped with a 2D barcode or a RFID tag that contains unique identity information. By an easy wave of Chainway C3000 UHF reader, all detailed information are available with WIFI or cellular network.

CHALLENGES

Traditional manual handling of cashboxes is inefficient, inconvenient and insecure, which is reflected in cashbox identification and tracking, and identity verification of cashbox escort personnel.

EFFECTS

It changes traditional mode of financial escort. That PDA can verify identity of escort personnel and that administrators can view real-time information like movements of cashboxes prevents potential security risks.

Mobile Bank Management in Remote Indian Areas

BACKGROUND

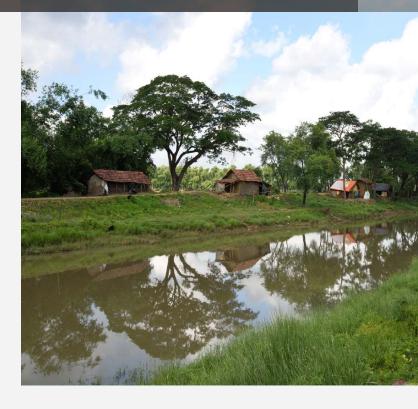
Due to unstable electricity in Indian remote areas, ATMs are not available. Bank services like opening an account or balance inquiry cannot be realized, so India Post decided to use handheld computers and solar power to build up a mobile bank.

SOLUTIONS

USB OTG enables the C3000 handheld to connect to a printer which has a bank card reader and a keyboard, and a charger powered by solar power. With 2D barcode and fingerprint, client's identity can be identified, and an account opened.

EFFECTS

Chainway helps India Post establish a mobile bank system to seize the market. It facilitates citizens' life there. Handhelds are portable and smart with low operation cost.





The Agricultural and Husbandry sector of a European country was seeking an approach to track animal feeding, enable food traceability and ensure animal food safety.

SOLUTIONS

Chainway lightweight C3000 with LF RFID module and external antenna rod, can conveniently read and write tag information. Through wireless communication, all info can be synchronized to the backend system automatically.

CHALLENGES

Using paper cards to manually record animal feeding information is inefficient and error-prone, also, paper records are difficult to save and time-consuming to inquire. Traceability is hard when food safety incidents occur.

EFFECTS

All animal data can be systematically recorded, making it convenient to query and trace. It promotes openness, transparency, and greenness of animal food.

Animal Management for Thai Royals

BACKGROUND

The Thai royal family has raised numerous animals. The breeders need to learn their growth conditions, conduct regular physical examination to ensure their health.

CHALLENGES

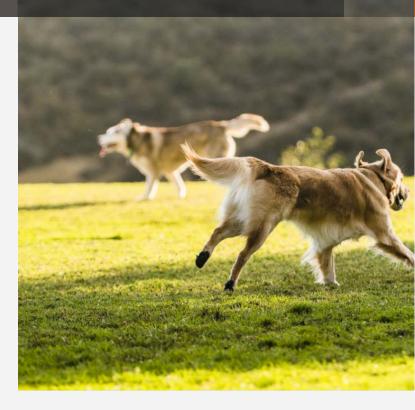
Use paper to record animal information is inefficient and error-prone, and paper records are not easy to save and check. It is inconvenient to identify animals and share information with others.

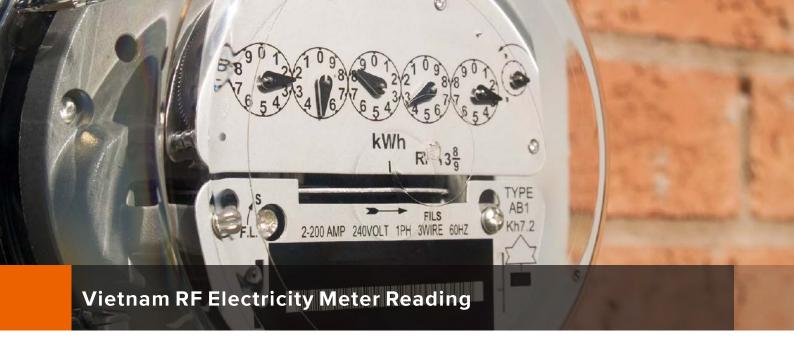
SOLUTIONS

Use C4000 to scan animal's unique RFID tag to obtain information or add key data. These key data can be easily recorded and transmitted to the database through 3G network.

EFFECTS

It improves efficiency and accuracy of data collection. Breeders and administrators can obtain any animal information anytime.





EVN (Electricity of Vietnam), a state-owned company, is mainly engaged in power generation, transmission, distribution, and sales of electricity.

SOLUTIONS

Chainway PDA integrated RF and Bluetooth modules automatically reads electricity meters, and collected data are synchronized to the system via wireless communications.

CHALLENGES

Due to vast territory and huge population, the meter reading workload is heavy and efficiency is low. Coming into each house for meter reading disturbs residents. And effective supervision of field workers can't be achieved. Also, paper records are not easy to save and inconvenient to check.

EFFECTS

EVN realizes remote meter reading with improved efficiency, accuracy and safety. All captured data can be conveniently uploaded, saved, and checked at any time.

Electronic Management of Gas Meters in Serbia

BACKGROUND

DP Novi Sad Gas is the biggest natural gas supplier in Serbia. Now meter-reading, equipment maintenance and network management become its headaches.

CHALLENGES

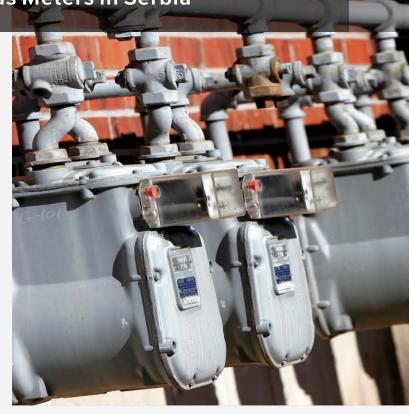
Manual meter reading leads to inefficiency and mistakes. Administrators can't be informed of the problems found or how much gas is used by each residential area in time.

SOLUTIONS

Chainway PDA with barcoding, RFID, Wi-Fi and camera functions realizes automatic gas meter reading; also all collected data, including visual images of breakdown found during on-site inspection, can be transmitted in real time to the system.

EFFECTS

Smart meter reading saves labor costs, improves productivity and data accuracy. Breakdown can be dealt with soon, and all data can be conveniently checked.





Most of driving schools in China have adopted information technologies to further strengthen the management of driving schools, to regulate driving training processes and to improve training quality. Until now, over 2000 domestic driving schools have chosen Chainway's solution.

CHALLENGES

The school management is complicated and efficiency low. It is hard to record training hours and driving mileage. Identity fraud cannot be avoided as there is no efficient way to verify trainee or instructor's identity. The training processes cannot be monitored all the time.

SOLUTIONS

Integrated with functions of HF RFID, fingerprint recognition, camera, etc., Chainway solution which covers software and hardware enables driving schools to monitor the whole training process. Fingerprint recognition or IC card authentication make sure that trainee and instructor identity can be verified quickly and accurately. Trainees need to swipe cards and verify their fingerprints every time they start training to record training hours and mileage, etc., then vehicle computers upload them to the management platform. Additionally, GPS can monitor and playback the vehicle's moving track. Besides, trainees can learn online by themselves on web page or APP already downloaded.

EFFECTS

It simplifies workflows of driving training, and improves training quality. All records can be transmitted to the backend system in real time, some of which can be an indicator for performance assessment of instructors. Trainees are motivated to learn independently online.





SPIEF, an annual Russian business event, brought together 4,000 politicians, executives and experts from over 60 countries.

SOLUTIONS

Chainway developed a set of effective electronic ticket validation solutions. Combined with barcode and RFID technology, Chainway PDA is able to shorten time when checking tickets for VIP attendees.

CHALLENGES

All VIP attendees are elites from their sectors, thus elite equipment is needed for identity verification. To check 4,000 attendees' identity is a heavy and complicated workload.

EFFECTS

Intelligent ticket inspection shortens entering time of VIP members, effectively reduces counterfeit tickets and identity fraud. All captured data are synchronized to the backend system, available for administrators to check anytime.

BACKGROUND

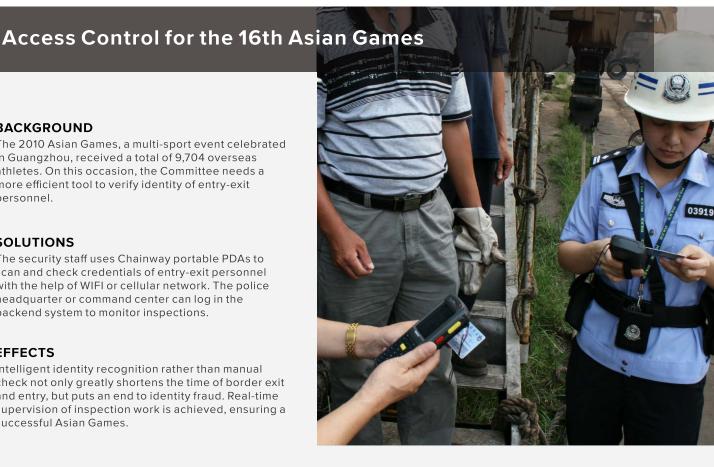
The 2010 Asian Games, a multi-sport event celebrated in Guangzhou, received a total of 9,704 overseas athletes. On this occasion, the Committee needs a more efficient tool to verify identity of entry-exit personnel.

SOLUTIONS

The security staff uses Chainway portable PDAs to scan and check credentials of entry-exit personnel with the help of WIFI or cellular network. The police headquarter or command center can log in the backend system to monitor inspections.

EFFECTS

Intelligent identity recognition rather than manual check not only greatly shortens the time of border exit and entry, but puts an end to identity fraud. Real-time supervision of inspection work is achieved, ensuring a successful Asian Games.





The China Open, approved by International Tennis Association since 2004, is an annual professional tennis tournament. 2010 to 2015 editions were held in China.

SOLUTIONS

With 2D barcode scanning and HF RFID functions, C5000 realizes automatic ticket validation. Chainway solution also integrated several sub ticketing systems.

CHALLENGES

A crowd of spectators and multiple types of tickets make traditional ticket check even more laborious and inefficient and counterfeit tickets are not easy to be found. Administrators can't get real-time data about the whole ticket business.

EFFECTS

It enhances staff's productivity, saves labor costs, as well as lifts spectators' satisfaction level. All data during ticket inspection can be summed up and transmitted to the system in real time.

Ticket Validation for 2013 Eurovision Song Contest In Sweden

BACKGROUND

The Eurovision Song Contest is an annual international TV song competition organized by European Broadcasting Union (EBU) since 1956. The 2013 ESC was held in Sweden.

CHALLENGES

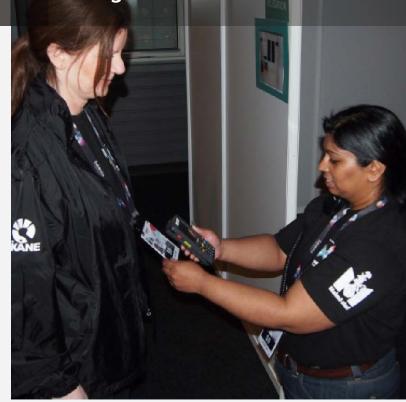
That thousands of players come from 39 countries makes it challenging for ticket inspection and real-time attendance of the contestants cannot be learned.

SOLUTIONS

Holding C2000 to scan contestants' ticket with unique 1D barcode, identity verification is obviously accelerated. Also, all collected data can be soon transmitted to the backend database via Wi-Fi.

EFFECTS

Intelligent ticket identification brings substantial increase in efficiency and accuracy, contributing to a safe and smooth ESC. Management team can have real-time access to ticketing data.





The number of vehicles greatly exceeds that of parking space in Shanghai, urging the government to allow on-street parking.

SOLUTIONS

C4050 shows the status of each slot (occupied or available), and how long it has been occupied. Take a photo of the vehicle plate, choose vehicle type, parking type and payment method, then timing starts. PDA also calculates fees, supports swiping card to pay, and prints receipt on site.

CHALLENGES

On-street parking is in disorder. Government can't monitor charging processes or get real-time statistics about the usage rate of each parking slot.

EFFECTS

PDA receiving unified charge rate realizes scientific control of on-street parking business. Electronic fee calculation and payment saves government losses.

How Locating Services Help the Enterprise Control Costs

BACKGROUND

Dongfeng Motor Company Limited is a joint-venture between Dongfeng Motor Corporation and Nissan Motors. Heavy-duty commercial vehicle is one of its main products.

CHALLENGES

Drivers may lie about their route of travel or delivery location to get more pay. It wastes time during stock-in and stock-out. Inventory can't be calculated in real time and feedback of sales volume from distributors can be delayed.

SOLUTIONS

Adopting RFID, GPS, wireless technologies and some software, Chainway enables the user to track each vehicle from the logistics company picking up, sending out and delivering them, to the distributors receiving, selling and returning them.

EFFECTS

The user can do automated stock in, stock out and stock-taking, timely track transport vehicles and its assets, helping save huge operation costs.







Wechat

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