MOBILE HANDHELD COMPUTER



C3000 is a Windows-CE based rugged mobile computer, featuring a powerful 800MHz processor and best in class battery performance. It can be integrated with a variety of data capture functions including LF/HF/UHF RFID reading, high-performance 1D/2D and sensitive fingerprint scanning, GPS, Camera. This compact device is IP65 rated, the contained dust and water proof structure ensures its high ruggedness and durability. With its highly customizable ability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset tracking, fleet management, animal management.



Powerful Application Performance

The C3000 is based on WindowsCE 6.0 system, features the fast and powerful Cortex-A8 800MHz processor, together with 256MB of RAM, 4GB buildin flash storage, plus a SD card slot that can add up to 32GB of memory.



Rugged and Compact

The C3000 is highly rugged, compact and durable. With IP65 water and dust proof capability, workers con frop this device and concrete use it in dusty area even get it wet, and still expect reliable operations.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



Extensive Data Capture Options

The C3000 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID reading module, sensitive fingerprint snap-on and GPS. It allows to choose data collection options per industry needs.



Fast Wireless Connectivity

Whether indoors or outdoors, the C3000 provides fast and stable network connectivity with a variety of wireless connection options including WCDMA, WiFi, Bluetooth and GPRS.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



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Accessories

Physical Character		
Dimensions	154mm x 77mm x 31mm	
Weight	345g	
Display	3.5" QVGA (240*320), 6.5M colors	
Touch Panel	Rugged Resistive touch panel	
Power	Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh (Optional)	
Expansion Slot	1 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot	
Interfaces	USB Micro-B (OTG)	
Audio	0.5W speaker, build-in microphone	
Keypad	Numeric / Qwerty	
Performance		
CPU	Cortex-A8 800MHz	
RAM	256MB	
ROM	4GB	
Expansion	Supports up to 32GB Micro SD card	
Developing Enviro	ment	
Operating System	Windows Embedded CE 6.0	
SDK	Software Development Kit	
Language	C++, C#, VB.NET	
Tool	Visual Studio 2005/2008	
User Enviroment	THE RESIDENCE OF THE PROPERTY OF THE PARTY O	
Operating Temp.	-10°C to 50°C	
Storage Temp.	-40°C to 70°C	
Humidity	5%RH - 95%RH non condensing	
Drop Specification	Multiple 1.5m drops to concrete across the operatin temperature range	
Tumble Specification	1000 x 0.5m falls at room temperature	
Sealing	IP65	
Communication (C	Optional)	
WLAN	IEEE802.11 b/g IEEE802.11 a/b/g/n	
WWAN	GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz) CDMA 2000 EVDO:800MHz	
Bluetooth	Bluetooth 2.0+EDR	

uBLOX NEO-6M (Low Power Consumption)

Enrollment, compare, deletion etc.

1,000 PCS fingerprints

TCS2SS Capacitive Sensor

508DPI

AUTHORIZED DISTRIBUTOR

Barcode Scanning (Optional)		
1D Linear Scanner		
1D Laser / CCD	Symbol SE965	
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.	
2D Imager Scanner		
2D CMOS Laser Scanner	Symbol SE4500	
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc.	
RFID (Optional) LF with Internal Antenna		
Frequency	125kHz, 134kHz (FDX-B / HDX)	
Protocol	ISO11784/5, ISO18000-2	
Chips	R/O ID card, eg EM4100/4200 TK4100 R/W ID card, eg EM4305/HITAG S Animal tags	
Range	3-8cm	
LF with External Antenna		
Frequency	134kHz (FDX-B+HDX)	
Protocol	ISO11784/5	
Chips	Animal tags	
Range	3-12cm 3-20cm with a 75cm Extension Antenna	
HF		
Frequency	13.56MHz	
Protocol	ISO14443A/B,ISO15693	
Chips	M1 card (S50/S70), M0 (Ultralight) M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card ICODE II,TI2048,LRI64K	
Range	3-8cm	
Other Modules (Opt	ional)	
Camera	5MP autofocus camera with flash	
PSAM	ISO7816 Protocol, 2 PSAM slot	





Snap On





Cradle (Opzional)



Pistol (Optional)



Fingerprint Snap-on (Optional)



(Optional)

C3000 V1.0EN

GPS

Functions Sensor

Memory

Sensor Type Resolution



TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfid reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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C3000-UHF

UHF RFID MOBILE HANDHELD COMPUTER





Powerful Application Performance

The C3000 is based on WindowsCE 6.0 system, features the fast and powerful Cortex-A8 800MHz processor, together with 256MB of RAM, 4GB buildin flash storage, plus a SD card slot that can add up to 32GB of memory.



Extensive Data Capture Options

The C3000 can be integrated with best-in-class Zebra 1D/2D scanning engine, sensitive fingerprint snap-on and GPS. It allows to choose data collection options per industry needs.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.





UHF RFID Reading Capability

The C3000UHF provides new levels of UHF RFID reading performance. It can be configured with class-leading R2000 UHF module or cost-effctive UHF module, together with two kinds of high performance antenna options.



Fast Wireless Connectivity

Whether indoors or outdoors, the C3000 provides fast and stable network connectivity with a variety of wireless connection options including WCDMA, WiFi, Bluetooth and GPRS.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



















Accessories

Physical Characte	154mm x 77mm x 31mm
Weight	345q
Display	3.5" QVGA (240*320), 6.5M colors
Touch Panel	Rugged Resistive touch panel
Power	Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh (Optional)
Expansion Slot	1 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot
Interfaces	USB Micro-B (OTG)
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwerty
Performance	
CPU	Cortex-A8 800MHz
RAM	256MB
ROM	4GB
Expansion	Supports up to 32GB Micro SD card
Developing Enviro	oment
Operating System	Windows Embedded CE 6.0
SDK	Software Development Kit
Language	C++, C#, VB.NET
Tool	Visual Studio 2005/2008
User Enviroment	
Operating Temp.	-10°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP65
Communication (0	Optional)
WLAN	IEEE802.11 b/g IEEE802.11 a/b/g/n
WWAN	GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz) CDMA 2000 EVDC:800MHz

Bluetooth 2.0+EDR

AUTHORIZED DISTRIBUTOR

uBLOX NEO-6M (Low Power Consumption)

1D Laser / CCD	Symbol SE965	
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.	
2D Imager Scanner		
2D CMOS Laser Scanner	Symbol SE4500	
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-36 Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.	
RFID		
UHF		
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz	
Protocol	EPC C1 GEN2 / ISO18000-6C	
Antenna	Linear polarization (1.8dBi) Circular polarization (2.5dBi)	
Power	1W (+10dBm to +30dBm)	
Range	Option1(R2000), up to 4.5m Option2, up to 2m Ranges depend on tags and environment)	
Other Modules (Opt	tional)	
PSAM	ISO7816 Protocol, 2 PSAM slot	
Biometric (Optional)		
Functions	Enrollment, compare, deletion etc.	
Sensor	TCS2SS	
Sensor Type	Capacitive Sensor	
Resolution	508DPI	
Memory	1,000 PCS fingerprints	





Snap On



USB Cable



Cradle



Pistol



Fingerprint Snap-on (Optional)



Carrying case (Optional)

C3000-UHF V1.0EN

Bluetooth

GPS



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CHAINWAY®

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfid reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globs. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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MOBILE HANDHELD COMPUTER



C4000 is an Android-based rugged mobile computer. With its powerful 1.3GHz processor and best possible battery performance, as well as the comprehensive data capture options, including LF/HF/UHF RFID and NFC reading, high-performance 1D/2D, infra-red and sensitive fingerprint scanning, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset tracking, fleet management, animal management and etc.



P64

Powerful Application Performance

The C4000 is based on Android 4.4.2 system, features the fast and powerful quad core 1.3GHz processor, together with 1GB of RAM, 4GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



Rugged and Compact

The C4000 is highly rugged, compact and durable. With an IP64 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



Extensive Data Capture Options

The C4000 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID or NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Fast Wireless Connectivity

The C4000 provides enterprises with anywhere, anytime real-time connectivity by a variety of wireless connections including WCDMA, WiFi, Bluetooth and GPRS.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



Web www.techsigno.com



Physical Characteristics

Dimensions

Touch Panel

Expansion Slot

Interfaces

Audio

Keypad

Sensor

RAM

ROM

SDK

Tool

Language

Expansion

Operating System

Operating Temp.

Drop Specification

Tumble Specification

Storage Temp.

Humidity

Sealing

WLAN

WWAN

Bluetooth

Functions

Sensor Type

Resolution Memory

Sensor

GPS

Developing Enviroment

Weight

Display

Power



286g

1 PSAM

1GB

4GB

Java

IP64

Android 4.4.2

-10°C to 50°C -40°C to 70°C

temperature range

IEEE802.11 b/g/n

Bluetooth 4.0

GPS, AGPS

TCS2SS Capacitive Sensor

508DPI

1,000 PCS fingerprints

CDMA 2000 EVDO:800MHz

Enrollment, compare, deletion etc

1 SIM/PSAM

1 MicroSD(TF) slot

USB Micro-B (OTG) 0.5W speaker, build-in microphone

153mm x 75mm x 29mm



4" WVGA (480*8000), 16.7M colors

Pistol battery: Li-ion, 5200mAh (Optional)

Rugged Capacitive Touch Panel

Main battery: Li-ion, 3200mAh

4 TP Touch Key-Press Buttons

Light Sensor, Proximity Sensor

Cortex-A7 1-3GHz quad-core

Software Development Kit

Eclipse / Android Studio

Supports up to 32GB Micro SD card

5%RH - 95%RH non condensing

1000 x 0.5m falls at room temperature

GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz)

Multiple 1.2m drops to concrete across the operating







1D Laser / CCD

Symbologies

Frequency



Barcode Scanning (Optional)



Symbol SE965





Accessories













Cradle (Opzional)



Pistol (Optional)



Fingerprint Snap-on (Optional)



(Optional)

UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.

2D CMOS Laser Scanner Symbol SE4500 PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, Symbologies

	UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.
RFID (Optional) LF with Internal Antenna	
Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5, ISO18000-2

1 1010001	1001110110,100100002	
Chips	R/O ID card, eg EM4100/4200 TK4100 R/W ID card, eg EM4305/HITAG S Animal tags	
Range	3-8cm	
LF with External An	tenna 💮 😘 💮 😘 💮 💮 💮 💮 💮 💮 💮 💮 💮 💮 💮 💮 💮	
Frequency	134kHz (FDX-B+HDX)	
Protocol	ISO11784/5	
Chips	Animal tags	
Range	3-12cm 3-20cm with a 75cm Extension Antenna	

13.56MHz

Protocol	ISO14443A/B,ISO15693	
Chips	M1 card (S50/S70), M0 (Ultralight) M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card ICODE II,TI2048,LRI64K	
Range	3-8cm	
NFC		
Frequency	13.56MHz	
Protocol	ISO/IEC 18092 (ECMA 340) ISO/IEC 21481 /ECMA 352)	
Range	2-4cm	

Other Modules (Optional)	
Camera	5MP autofocus camera with flash
PSAM	ISO7816 Protocol, 2 PSAM slot

InfraRed (Optional)		
Wavelenght	940nm	
Frequency	38KHz	
Range	> 4m	

AUTHORIZED DISTRIBUTOR





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Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld fild reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide notwork of distributore, system integratore and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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C4000-UHF

UHF RFID MOBILE HANDHELD COMPUTER



C4000UHF mobile computer provides high performance UHF RFID reading/writing capability. It is designed to support EPC C1 GEN2 / ISO18000-6C protocol, and equipped with class leading R2000 UHF module or cost-effective UHF module that covers frequency ranges for most areas. This versatile device can also be configured with class leading high performance 1D/2D barcode scanning and a variety of wireless connections such as Bluetooth, 3G, and WiFi. With its highly customizable ability, enterprises can deploy this single device in many areas, including asset management, retail, warehouse management, fleet management and etc.



Powerful Application Performance

The C4000 is based on Android 4.4.2 system, features the fast and powerful quad core 1.3GHz processor, together with 1GB of RAM, 4GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



Extensive Data Capture Options

The C4000 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID or NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



UHF RFID Reading Capability

The C4000UHF provides new levels of UHF RFID reading performance. It can be configured with class-leading R2000 UHF module or cost-effctive UHF module, together with two kinds of high performance antenna options.



Fast Wireless Connectivity

The C4000 provides enterprises with anywhere, anytime real-time connectivity by a variety of wireless connections including WCDMA, WiFi, Bluetooth and GPRS.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



Web www.techsigno.com















Accessories



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Snap On



USB Cable



Cradle



Pistol





Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfid reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwidc network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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Physical Character	ristics	
Dimensions	153mm x 75mm x 29mm	
Weight	286g	
Display	4" WVGA (480*8000), 16.7M colors	
Touch Panel	Rugged Capacitive Touch Panel	
Power	Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh (Optional)	
Expansion Slot	1 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot	
Interfaces	USB Micro-B (OTG)	
Audio	0.5W speaker, build-in microphone	
Keypad	4 TP Touch Key-Press Buttons	
Sensor	Light Sensor, Proximity Sensor	
Performance		
CPU	Cortex-A7 1-3GHz quad-core	
RAM	1GB	
ROM .	4GB	
Expansion	Supports up to 32GB Micro SD card	
Developing Enviro	ment	
Operating System	Android 4.4.2	
SDK	Software Development Kit	
Language	Java	
Tool	Eclipse / Android Studio	
User Enviroment		
Operating Temp.	-10°C to 50°C	
Storage Temp.	-40°C to 70°C	
Humidity	5%RH - 95%RH non condensing	
Drop Specification	Multiple 1.2m drops to concrete across the operating temperature range	
Tumble Specification	1000 x 0.5m falls at room temperature	
Sealing	IP64	
Communication		
WLAN	IEEE802.11 b/g/n	
WWAN	GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz) CDMA 2000 EVDO:800MHz	
Bluetooth	Bluetooth 4.0	
GPS	GPS, AGPS	

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Barcode Scanning (o	pliorial)
1D Laser / CCD	Symbol SE965
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Imager Scanner	
2D CMOS Laser Scanner	Symbol SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc.
RFID UHF	
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (1.8dBi) Circular polarization (2.5dBi)
Power	1W (+10dBm to +30dBm)
Range	Option1(R2000), up to 4.5m Option2, up to 2m (Ranges depend on tags and environment)
Other Modules (Option	onal)
PSAM	ISO7816 Protocol, 2 PSAM slot
Biometric (Optional)	CONTRACTOR POLICY OF THE
Functions	Enrollment, compare, deletion etc.
Sensor	TCS2SS
Sensor Type	Capacitive Sensor
Resolution	508DPI

AUTHORIZED DISTRIBUTOR



C4000-UHF V1.0EN

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ENHANCED MOBILE HANDHELD COMPUTER



C4050 is an Android-based rugged mobile computer. With its powerful 1.3GHz processor and best possible battery performance, as well as the comprehensive data capture options, including LF/HF/UHF RFID and NFC reading, high-performance 1D/2D, infra-red and sensitive fingerprint scanning, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset tracking, fleet management, animal management and etc.



Powerful Application Performance

The C4050 is based on Android 4.4.2 system, features the fast and powerful quad core 1.3GHz processor, together with 1GB of RAM, 4GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



Extensive Data Capture Options

The C4050 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID or NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Rugged and Compact

The C4050 is highly rugged, compact and durable. With an IP64 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation.



Fast Wireless Connectivity

The C4050 provides enterprises with anywhere, anytime real-time connectivity by a variety of wireless connections including WCDMA, WiFi, Bluetooth and GPRS.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs





















Α	C	ce	SS	SO	ri	e	9





Snap On



USB Cable



Cradle (Opzional)



Pistol (Optional)



Fingerprint Snap-on (Optional)



(Optional)

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfid reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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Physical Character	ristics
Dimensions	176mm x 76mm x 28,5mm
Weight	292g
Display	4" WVGA (480*8000), 16.7M colors
Touch Panel	Rugged Capacitive Touch Panel
Power	Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh (Optional)
Expansion Slot	1 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot
Interfaces	USB Micro-B (OTG)
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwerty
Sensor	Light Sensor, Proximity Sensor
Performance	
CPU	Cortex-A7 1-3GHz quad-core
RAM	1GB
ROM	4GB
Expansion	Supports up to 32GB Micro SD card
Developing Enviro	ment
Operating System	Android 4.4.2
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio
User Enviroment	
Operating Temp.	-10°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH - 95%RH non condensing
	Multiple 1.2m drops to concrete across the operating
Drop Specification	temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP64
Communication	
WLAN	IEEE802.11 b/g/n
WWAN	GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz) CDMA 2000 EVDO:800MHz
Bluetooth	Bluetooth 4.0
GPS	GPS, AGPS
Biometric (Optiona	
Functions	Enrollment, compare, deletion etc.
Sensor	TCS2SS
Sensor Type	Capacitive Sensor
Resolution	508DPI
Memory	1,000 PCS fingerprints

	2 P B
Barcode Scanning (Optional)
1D Linear Scanner	Lo 1 105005
1D Laser / CCD	Symbol SE965 UPC/EAN, Code128, Code39, Code93, Code11,
Combalagian	Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5,
Symbologies	Codabar, MSI, RSS, etc.
2D Imager Scanner	Coddbar, Mor, 1 Co, 5 to.
2D CMOS Laser Scanner	Symbol SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc.
RFID (Optional) LF with Internal Antenna	
Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5, ISO18000-2
	R/O ID card, eg EM4100/4200 TK4100
Chips	R/W ID card, eg EM4305/HITAG S
	Animal tags
Range	3-8cm
LF with External Antenna	
Frequency	134kHz (FDX-B+HDX)
Protocol	ISO11784/5
Chips	Animal tags
Range	3-12cm 3-20cm with a 75cm Extension Antenna
HF	
Frequency	13.56MHz
Protocol	ISO14443A/B,ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight) M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card ICODE II,TI2048,LRI64K
Range	3-8cm
NFC	
Frequency	13.56MHz
Protocol	ISO/IEC 18092 (ECMA 340) ISO/IEC 21481 /ECMA 352)
Range	2-4cm
Other Modules (Opt	ional)
Camera	5MP autofocus camera with flash
PSAM	ISO7816 Protocol, 2 PSAM slot
InfraRed (Optional)	
Wavelenght	940nm
Frequency	38KHz
Range	> 4m

AUTHORIZED DISTRIBUTOR



C4050 V1.0EN

TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

C4050-Q4

ENTERPRISE MOBILE HANDHELD COMPUTER



C4050-Q4 is an Android-based rugged mobile computer. With its fast 4G connectivity and powerful Qualcomm processor as well as the comprehensive data capture options, including LF/HF RFID and NFC reading, high-performance 1D/2D, infra-red and sensitive fingerprint scanning, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizableability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset tracking, fleet management, healthcare and etc.



Powerful Application Performance

The C4050-Q4 features the latest and fastest Qualcomm SoC processor, together with 2GB of RAM, 16GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



Extensive Data Capture Options

The C4050-Q4 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID or NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Rugged and Compact

The C4050 is highly rugged, compact and durable. With an IP64 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation.



Superior RFID Reading Capability

The C4050-Q4 provides new levels of RFID and NFC reading performance. It can be configured with high-performance LF/HF RFID reading module, or NFC reading module to capture different kinds of information.



4G LTE - Faster Connectivity

Whether indoors or outdoors, the C4050-Q4 provides enterprises with anywhere, anytime real-time connectivity by the fast 4G LTE celluar network and 802.11 a/b/g/n Wi-Fi support.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



Email info@techsigno.com

Web www.techsigno.com



Physical Characteristics

Dimensions

Touch Panel

Expansion Slot

Interfaces

Audio

Keypad

Sensor Performance

CPU RAM

ROM

Expansion

Language

Tool

Operating System SDK

Operating Temp.

Drop Specification

Tumble Specification

Storage Temp

Humidity

Sealing

WWAN(E)

WWAN(N)

WWAN(C)

Bluetooth

GPS

User Enviroment

Developing Enviroment

Weight

Display



292g

PSAM

2GB

16GB

Java

IP64

Android 5.1

-10°C to 50°C

-40°C to 70°C

temperature range

IEEE802.11 a/b/g/n 2G GPRS (900/1800MHz)

3G WCDMA B1 - B8

1 SIM/PSAM

1 MicroSD(TF) slot

USB Micro-B (OTG)

Numeric / Qwerty

176mm x 76mm x 28,5mm

4" WVGA (480*8000), 16.7M colors

0.5W speaker, build-in microphone

Light Sensor, Proximity Sensor

Qualcomm 1-3GHz quad-core

Software Development Kit

Eclipse / Android Studio

5%RH - 95%RH non condensing

1000 x 0.5m falls at room temperature

4G FDD LTE B1 - B3 - B7 - B8 - B20 2G GPRS (850/1900MHz) 3G WCDMA B1 - B2 - B5

4G TDD LTE B38 - B39 - B40 - B41

4G FDD LTE B2 - B4 - B7 - B17

2G GPRS (850/1900MHz) 3G WCDMA B1 3G CDMA EVD 800MHz

3G TD-SCDMA B34 - B39

4G FDD LTE B1 - B3

Bluetooth 4.0

GPS, AGPS

Multiple 1.2m drops to concrete across the operating

Supports up to 32GB Micro SD card

Rugged Capacitive Touch Panel

Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh (Optional)

















Accessories











Cradle (Opzional)



Pistol (Optional)



Fingerprint Snap-on (Optional)



Carrying case (Optional)

Barcode Scanning (Optional) Symbol SE965 1D Laser / CCD UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Symbologies Codabar, MSI, RSS, etc. 2D CMOS Laser Scanner Symbol SE4500 PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, Symbologies UK Postal, Australian Postal, Japan Postal, Dutch

	Postal (KIX), etc.
RFID (Optional	
Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5, ISO18000-2
Chips	R/O ID card, eg EM4100/4200 TK4100 R/W ID card, eg EM4305/HITAG S Animal tags
Range	3-8cm
LF with External Ant	enna
Frequency	134kHz (FDX-B+HDX)
Protocol	ISO11784/5
Chips	Animal tags
Range	3-12cm 3-20cm with a 75cm Extension Antenna
Frequency	13.56MHz
Protocol	ISO14443A/B,ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight) M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card ICODE II,TI2048,LRI64K
Range	3-8cm
NFC	
Frequency	13.56MHz
Protocol	ISO/IEC 18092 (ECMA 340) ISO/IEC 21481 /ECMA 352)
Range	2-4cm
Other Modules	
Camera	5MP autofocus camera with flash
PSAM	ISO7816 Protocol, 2 PSAM slot
InfraRed (Option	onal)
Wavelenght	940nm
-	001/11

38KHz

508DPI

Enrollment, compare, deletion etc

Capacitive Sensor

1,000 PCS fingerprints

> 4m

Frequency

Functions

Sensor Type Resolution

Sensor

Memory

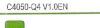
Biometric (Optional)

Range

AUTHORIZED DISTRIBUTOR

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfld reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a werldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of greas. customers from a variety of areas.

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C4050-Q4-UHF

ENTERPRISE MOBILE UHF RFID HANDHELD COMPUTER



C4050-Q4 UHF is an Android rugged mobile computer. With its powerful quad-core processor and wireless connections such as 4G, Bluetooth and Wi-Fi, as well as comprehensive data capture options, including UHF RFID reading & writing, 1D/2D barcode scanning, infra-red and sensitive fingerprint scanning, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprisescan deploy this device in many areas, including retail, logistics, express delivery, warehousing, energy and chemical industry, etc.



Powerful Application Performance

The C4050-Q4-UHF adopts Android 5.1 OS, features the fast and powerful quad core processor, together with 2GB of RAM, 16GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



UHF RFID Reading Capability

The C4050-Q4-UHF provides new levels of UHF RFID reading performance. It can be configured with class-leading R2000 UHF module or cost-effctive UHF module, together with two kinds of high performance antenna options.



4G LTE - Faster Connectivity

Whether indoors or outdoors, the C4050-Q4-UHF provides enterprises with anywhere, anytime real-time connectivity by the fast 4G LTE celluar network and 802.11 a/b/g/n Wi-Fi support.



Extensive Data Capture Options

The C4050-Q4-UHF can be integrated with best-inclass Zebra 1D/2D scanning engine, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



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1D Laser / CCD

2D CMOS Laser Scanner

Symbologies

Symbologies

RFID

Frequency

Protocol

Antenna

Power

Range

Sensor

Sensor Type

Resolution

Memory

Other Modules (Optional)

Biometric (Optional)



Barcode Scanning (Optional)



Symbol SE965

Codabar, MSI, RSS, etc. Symbol SE4500

UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5,

PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec,
MaxiCode; Postal Codes: US PostNet, US Planet, UK

Postal, Australian Postal, Japan Postal, Dutch, Postal

865MHz-868MHz / 920-925MHz / 902-928MHz

(Ranges depend on tags and environment)

EPC C1 GEN2 / ISO18000-6C

Linear polarization (1.8dBi)

1W (+10dBm to +30dBm) Option1(R2000), up to 4.5m Option2, up to 2m

Circular polarization (2.5dBi)

ISO7816 Protocol, 2 PSAM slot

Enrollment, compare, deletion etc

TCS2SS

508DPI

Capacitive Sensor

1,000 PCS fingerprints

Accessories



	AC Ad	apter	•
^	1		



Snap On



USB Cable



Cradle



Pistol



(Optional)



(Optional)

Chainway is a leading manufacturer of rugged mobile computers and fixed data chalmay is a reading infantacture of rouged months computed and income terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfid reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globb. We work with a worldwide notwork of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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Physical Character	176mm x 76mm x 28,5mm
Weight	292g
Display	4" WVGA (480*8000), 16.7M colors
Touch Panel	Rugged Capacitive Touch Panel
Power	Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh (Optional)
Expansion Slot	1 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot
Interfaces	USB Micro-B (OTG)
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwerty
Sensor	Light Sensor, Proximity Sensor
Performance	
CPU	Qualcomm 1-3GHz quad-core
RAM	2GB
ROM	16GB
Expansion	Supports up to 32GB Micro SD card
Developing Enviro	ment
Operating System	Android 5.1
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio
User Enviroment	
Operating Temp.	-10°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.2m drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP64

Humidity	5%RH - 95%RH non condensing	
Drop Specification	Multiple 1.2m drops to concrete across the operating temperature range	
Tumble Specification	1000 x 0.5m falls at room temperature	
Sealing	IP64	
Communication		
WLAN	IEEE802.11 a/b/g/n	
WWAN(E)	2G GPRS (900/1800MHz) 3G WCDMA B1 - B8 4G FDD LTE B1 - B3 - B7 - B8 - B20	
WWAN(N)	2G GPRS (850/1900MHz) 3G WCDMA B1 - B2 - B5 4G FDD LTE B2 - B4 - B7 - B17	
WWAN(C)	2G GPRS (850/1900MHz) 3G WCDMA B1 3G CDMA EVD 800MHz 3G TD-SCDMA B34 - B39 4G TDD LTE B38 - B39 - B40 - B41 4G FDD LTE B1 - B3	
Bluetooth	Bluetooth 4.0	
GPS	GPS, AGPS	

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C4050-Q4-UHF V1.0EN

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C4050-UHF

ENHANCED UHF RFID MOBILE HANDHELD COMPUTER



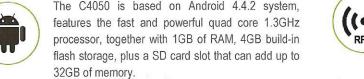
UHF RFID reading/writing capability. It is designed to support EPC C1 GEN2 / ISO18000-6C protocol, and equipped with class leading R2000 UHF module or costeffective UHF module that covers frequency ranges for most areas. This versatile device can also be configured with class leading high performance 1D/2D barcode scanning and a variety of wireless connections such as Bluetooth, 3G, and WiFi. With its highly customizable ability, enterprises can deploy this single device in many areas, including asset management, retail, warehouse management, fleet management and etc.

C4050UHF mobile computer provides high performance



Powerful Application Performance

The C4050 is based on Android 4.4.2 system, 32GB of memory.





Extensive Data Capture Options

The C4050 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID or NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



UHF RFID Reading Capability

The C4050UHF provides new levels of UHF RFID reading performance. It can be configured with class-leading R2000 UHF module or cost-effctive UHF module, together with two kinds of high performance antenna options.



Fast Wireless Connectivity

The C4050 provides enterprises with anywhere, anytime real-time connectivity by a variety of wireless connections including WCDMA, WiFi, Bluetooth and GPRS.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



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Weight Display

Power

Touch Panel

Expansion Slot

Interfaces

Audio

Keypad

Sensor

ROM

Expansion

Language

Tool

Operating System

Operating Temp.

Drop Specification

Tumble Specification

Storage Temp.

Humidity

Sealing

WLAN

WWAN

Bluetooth

GPS

User Enviroment

Developing Environ



153mm x 75mm x 29mm

4" WVGA (480*8000), 16.7M colors Rugged Capacitive Touch Panel

Pistol battery: Li-ion, 5200mAh (Optional)

Main battery: Li-ion, 3200mAh

Light Sensor, Proximity Sensor

Cortex-A7 1-3GHz quad-core

Software Development Kit

Eclipse / Android Studio

Supports up to 32GB Micro SD card

5%RH - 95%RH non condensing

1000 x 0.5m falls at room temperature

GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz)

Multiple 1.2m drops to concrete across the operating

1 PSAM 1 SIM/PSAM

1GB

4GB

Java

IP64

Android 4.4.2

-10°C to 50°C

-40°C to 70°C

temperature range

IEEE802.11 b/g/n

Bluetooth 4.0 GPS, AGPS

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CDMA 2000 EVDO:800MHz

1 MicroSD(TF) slot

USB Micro-B (OTG) 0.5W speaker, build-in microphone

Numeric / Qwerty







Other Modules (Optional)

Biometric (Optional)

Functions

Sensor Type

Resolution

Memory

Sensor





Accessories

1D Laser / CCD	Symbol SE965	
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.	
2D Imager Scanner		
2D CMOS Laser Scanner	Symbol SE4500	
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Azlec, MaxiCode; Postal Codes: US PostNet, US Planet, Uk Postal, Australian Postal, Japan Postal, Dutch, Posta (KIX), etc.	
RFID UHF		
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz	
Protocol	EPC C1 GEN2 / ISO18000-6C	
Antenna	Linear polarization (1.8dBi) Circular polarization (2.5dBi)	
Power	1W (+10dBm to +30dBm)	
Range	Option1(R2000), up to 4.5m Option2, up to 2m	

(Ranges depend on tags and environment)

ISO7816 Protocol, 2 PSAM slot

Enrollment, compare, deletion etc

TCS2SS

Capacitive Sensor

1,000 PCS fingerprints







USB Cable



Cradle



Pistol



(Optional)



Carrying case (Optional)

C4050-UHF V1.0EN



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C6000

ERGONOMIC MOBILE HANDHELD COMPUTER



Chainway C6000 is an Android-based rugged mobile computer. With its fast 4G connectivity and powerful quadcore processor as well as the comprehensive data capture options, including HF RFID reading, best-in- class 1D/2D barcode scanning, high-resolution camera and GPS, you can find this easy-to -deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprises can deploy this single device in many areas, including logistics, warehouse management, asset tracking, fleet management, healthcare and etc..



Powerful Application Performance

The C6000 features powerful quad-core processor, together with 2GB of RAM, 16GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



Extensive Data Capture Options

The C6000 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID or NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Superior RFID Reading Capability

Can be configured with high-performance HF RFID reading/writing module (supports ISO14443A/B, ISO15693 protocols). The module and software can be customized according to industry needs and tag specifications.



Rugged and Compact

The C6000 is highly rugged, compact and durable. With an IP65 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation. Thanks to the compact size the one hand operation is facilitated



4G LTE - Faster Connectivity

Whether indoors or outdoors, the C6000 provides enterprises with anywhere, anytime real-time connectivity by the fast 4G LTE celluar network and 802.11 a/b/g/n Wi-Fi support.



Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs



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Physical Characteristics

Dimensions Weight

Display Touch Panel

Power

Expansion Slot

Interfaces

Audio

Keypad

Sensor

CPU RAM

ROM

SDK

Expansion

Operating System

Performance





157,6mm x 73,7mm x 29mm

4" WVGA (480*8000), 16.7M colors

Rugged Capacitive Touch Panel

Main battery: Li-ion, 4000mAh

3TP touch key - 3 Side buttons

Light Sensor, Proximity Sensor

Qualcomm 1-3GHz quad-core

Software Development Kit

Supports up to 32GB Micro SD card

1 PSAM 1 SIM/PSAM

2GB

16GB

Android 5.1

1 MicroSD(TF) slot

USB Micro-B (OTG) 0.5W speaker, build-in microphone

Numeric Keypad









Other Modules (Optional)

PSAM





Accessories





Barcode Scanning (1D Linear Scanner	Optional)
1D Laser / CCD	Symbol SE965
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Imager Scanner	
2D CMOS Laser Scanner	Symbol SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39 Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc.

RFID (Optional	
HF	
Frequency	13.56MHz
Protocol	ISO14443A/B,ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight) M3 (Desfire D40/D41/D81), CPU_A card, CPU_E card ICODE II,TI2048,LRI64K
Range	3-8cm
NFC	
Frequency	13.56MHz
Protocol	ISO/IEC 18092 (ECMA 340) ISO/IEC 21481 /ECMA 352)
Range	2-4cm

8MP autofocus camera with flash ISO7816 Protocol, 2 PSAM slot

Language	Java	
Tool	Eclipse / Android Studio	
User Enviroment		
Operating Temp.	-10°C to 50°C	
Storage Temp.	-40°C to 70°C	
Humidity	5%RH - 95%RH non condensing	
Drop Specification	Multiple 1.2m drops to concrete across the operating temperature range	
Tumble Specification	1000 x 0.5m falls at room temperature	
Sealing	IP64	

Scaling	111 04	
Communicatio	n Maria de la companya de la company	
WLAN	IEEE802.11 b/g/n	
	2G GPRS (900/1800MHz)	
WWAN(1)	3G WCDMA B1 - B8	
TO SECURITION OF THE PARTY OF T	4G LTE B1 - B3 - B7 - B8 - B20	
	2G GPRS (850/1900MHz)	
WWAN(2)	3G WCDMA B1 - B2 - B5	
	4G LTE B2 - B4 - B7 - B17	
Bluetooth	Bluetooth 4.0	
GPS	GPS, AGPS	

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C6000 V1.0EN



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