



## C6000

### Mobile Computer

Chainway C6000 is an Android-based rugged mobile computer. With its fast 4G connectivity and powerful quad-core processor as well as the comprehensive data capture options, including NFC, 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

Chainway C6000 features Android 6.0 OS, powerful quad-core processor, together with 1/2GB of RAM, 8/16GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



#### 4G LTE — Faster Connectivity

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



#### Extensive Data Capture Functions

The C6000 can be integrated with best-in-class Zebra 1D/2D barcode scanning engine, high-resolution camera and GPS. It allows users to choose data collection options as per industry need.



#### 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.



#### Superior NFC Reading Capability

It can be configured with high-performance NFC reading/writing module supporting protocols like ISO1443A/B, ISO15693, NFC-IP1, and NFC-IP2. It can read common S50, S70 chips.



#### 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.

#### About Chainway

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 retail, logistics, transportation, healthcare, finance, 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.



1D Barcode



2D Barcode



4G



NFC



WiFi



Bluetooth



GPS



Camera

## Physical Characteristics

<b>Dimensions</b>	157.6 x 73.7 x 29mm/6.2x2.9x1.1in
<b>Weight</b>	310g/10.9oz
<b>Display</b>	4" WVGA (480*800), 16.7M colors
<b>Touch Panel</b>	Rugged dual touch capacitive touch panel
<b>Power</b>	Main battery: Li-ion, rechargeable, 4000mAh
<b>Expansion Slot</b>	1 PSAM (only for high-level configuration): ISO7816 protocol, 1 SIM, 1 MicroSD (TF) slot
<b>Interfaces</b>	USB Micro-B, OTG
<b>Audio</b>	0.5W speaker, build-in microphone
<b>Keypad</b>	3 TP touch key-press buttons, 3 side buttons, numeric keyboard
<b>Sensors</b>	Light Sensor, Proximity Sensor, Gravity Sensor, Vibration Motor
<b>AC Adapter</b>	Input: 100V-240V, 50-60Hz, 0.29A Output: 5V, 2A

## Performance

<b>High-level Configuration</b>	<b>CPU:</b> Cortex A-53 1.3 GHz quad-core <b>RAM+ROM:</b> 2GB+16GB
<b>Low-level Configuration</b>	<b>CPU:</b> Cortex A-53 1.3 GHz quad-core <b>RAM+ROM:</b> 1GB+8GB
<b>Expansion</b>	Supports up to 32GB Micro SD card

## Developing Environment

<b>Operating System</b>	Android 6.0
<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## User Environment

<b>Operating Temp.</b>	14°F to 122°F / -10°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Drop Specification</b>	Multiple 2m/6.56ft drops to concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5m/1.64ft falls at room temperature
<b>Sealing</b>	IP65
<b>ESD</b>	±8KV air discharge, ±4KV conductive discharge

## Communication

<b>WLAN</b>	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
<b>WWAN(Europe)</b>	<b>2G:</b> 850/900/1800/1900MHz <b>3G:</b> 850/900/1900/2100MHz <b>4G:</b> B1, B3, B5, B7, B8, B20, B40
<b>WWAN(America)</b>	<b>2G:</b> 850/900/1800/1900MHz <b>3G:</b> 850/900/1700/1900MHz <b>4G:</b> B2, B4, B7, B12, B17
<b>WWAN (China)</b>	<b>2G:</b> 900/1800MHz <b>3G:</b> 900/1900/2000/2100MHz <b>4G:</b> B1, B3, B38, B39, B40, B41
<b>WWAN (Others)</b>	Depending on the country's ISP
<b>Bluetooth</b>	Bluetooth 4.0, BLE
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou, internal antenna

## Data Collection

<b>Camera</b>	8/13MP autofocus camera with flash
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## Barcode Scanning (Optional)

<b>1D Linear Scanner</b>	
<b>1D Scan Engine</b>	Zebra SE965/Honeywell N4313
<b>Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Imager Scanner</b>	
<b>2D CMOS Laser Scanner</b>	Zebra SE4710/Honeywell N6603
<b>Symbologies</b>	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.

## NFC

<b>Frequency</b>	13.56MHz
<b>Protocol</b>	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
<b>Chips</b>	M1 card (S50, S70), CPU card, NFC tags, etc.
<b>Range</b>	2-4cm

\* NFC is only available for high-level configuration

## Accessories



AC Adapter



USB cable



Charging Cradle (only optional for high-level configuration)

