



## 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 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

Chainway C6000 features 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.



#### 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.



#### 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.



#### 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.



#### Rugged and Compact

The C6000 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.



#### 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.



1D Barcode



2D Barcode



RFID



4G



NFC



WiFi



Bluetooth



GPS



Camera

## Physical Characteristics

Dimensions	157.6mm x 73.7mm x 29mm
Weight	310g
Display	4" WVGA (480*800), 16.7M colors
Touch Panel	Rugged dual touch capacitive touch panel
Power	Main battery: Li-ion, rechargeable, 4000mAh
Expansion Slot	1 PSAM, 1 SIM, 1 MicroSD(TF) slot
Interfaces	USB Micro-B, OTG
Audio	0.5W speaker, build-in microphone
Keypad	3 TP touch key-press buttons, 3 side buttons Numeric keypad
Sensors	Light Sensor, Proximity Sensor

## Performance

Option 1	<b>CPU:</b> Qualcomm 1.3 GHz quad-core
	<b>RAM:</b> 2GB
	<b>ROM:</b> 16GB
Option 2	<b>CPU:</b> Qualcomm 1 GHz quad-core
	<b>RAM:</b> 1GB
	<b>ROM:</b> 8GB
Expansion	Supports up to 32GB Micro SD card

## Developing Environment

Operating System	Android 5.1
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

## User Environment

Operating Temp.	14°F to 122°F / -10°C to 50°C
Storage Temp.	-40°F to 158°F / -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/1.64ft falls at room temperature
Sealing	IP64

## Communication

WLAN	IEEE802.11 a/b/g/n
WWAN(E)	<b>2G:</b> GPRS(900/1800MHz)
	<b>3G:</b> WCDMA B1, B8
	<b>4G:</b> FDD-LTE:B1, B3, B7, B8, B20
WWAN(N)	<b>2G:</b> GPRS(850/1900MHz)
	<b>3G:</b> WCDMA B1, B2, B5
	<b>4G:</b> FDD-LTE:B2, B4, B7, B17

WWAN(C)	<b>2G:</b> GPRS(850/900/1800MHz)
	<b>3G:</b> WCDMA: B1 CDMA EVDD: EVDD Rev.A800MHz TD-SCDMA: B34, B39
	<b>4G:</b> TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3
Bluetooth	Bluetooth 4.0
GPS	GPS, GLONASS, BeiDou, AGPS

## Barcode Scanning (Optional)

<b>1D Linear Scanner</b>	
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.
<b>2D Imager Scanner</b>	
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)

<b>HF</b>	
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 Others for customization
Range	3-8cm
<b>NFC</b>	
Frequency	13.56MHz
Protocol	ISO/IEC 18092 (ECMA 340) ISO/IEC 21481 (ECMA 352)
Range	2-4cm

## Other Modules (Optional)

Camera	8MP autofocus camera with flash
PSAM	ISO7816 Protocol, 1 PSAM slot

## Accessories



AC Adapter



USB cable

Notice: Product specifications are subject to change without notice. / Version: C6000 V2.2.0 / Update Date: 2017-03-07

**CHAINWAY®**

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