



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 ISO14443A/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.



1D Barcode



2D Barcode



4G



NFC



WiFi



Bluetooth



GPS



Camera

Physical Characteristics

Dimensions	157.6 x 73.7 x 29mm/6.2x2.9x1.1in
Weight	310g/10.9oz
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 (ISO7816, protocol), 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 keyboard
Sensors	Light Sensor, Proximity Sensor, Gravity Sensor, Vibration Motor
AC Adapter	Input: 100v-240V, 50-60Hz, 0.29A Output: 5V, 2A

Performance

Option 1	CPU: Cortex A-53 1.3 GHz quad-core
	RAM: 2GB
	ROM: 16GB
Option 2	CPU: Cortex A-53 1.3 GHz quad-core
	RAM: 1GB
	ROM: 8GB
Expansion	Supports up to 32GB Micro SD card

Developing Environment

Operating System	Android 6.0
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/4.9ft drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Sealing	IP65
ESD	±15KV air discharge, ±8KV conductive discharge

Communication

WLAN	IEEE802.11 a/b/g/n
WWAN(Europe)	2G: B2, B3, B8, B5
	3G: B1, B2, B5, B8
	4G: B1, B3, B5, B7, B20, B40
WWAN(America)	2G: B2, B3, B8, B5
	3G: B2, B4, B5, B8
	4G: B2, B4, B7, B17
WWAN (China)	2G: B3, B8
	3G: B1, B8, B34, B39
	4G: B1, B3, B5, B38, B39, B40, B41
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.0 BLE
GNSS	GPS, GLONASS, BeiDou, AGPS

Data Collection

Camera	8/13MP autofocus camera with flash
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Barcode Scanning (Optional)

1D Linear Scanner	
1D Laser / CCD	SE965/ N4313
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	SE4710/N6603
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.

NFC (Optional)

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

Accessories



AC Adapter



USB cable

Notice: Product specifications are subject to change without notice. / Version: C6000 V2.2.0 / Update Date: 2017-06-08

CHAINWAY®

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