

CHAINWAY



C6000

Mobile Computer



Android OS 4G WiFi Bluetooth 1D Barcode 2D Barcode PSAM NFC Camera GNSS Type-C GMS 2.0m AI Engine

Chainway C6000 is our refined and well-built handheld computer while being portable and rugged at the same time. Built with Android 6.0 / 10.0 OS and high-performance processor, it features smooth and stable system configuration. It has immensely diverse functionality features for barcode scanning, NFC, and premium features. Meanwhile, with longer battery life, higher performance, and characteristic rugged robustness, Chainway C6000 is the ideal device to be extensively deployed in harsh circumstances like logistics and warehouses. It can assist customers in operation and management levels significantly.



Specification

Performance

Quad-core

Operating System	Android 6.0; Soti MobiControl, SafeUEM supported
CPU	Cortex A-53 1.3 GHz Quad-core
RAM+ROM	2GB + 16GB 1GB + 8GB (optional)
Expansion	Supports up to 128 GB Micro SD card

Octa-core

Operating System	Android 10.0; GMS, FOTA, SafeUEM supported
CPU	Cortex A-53 2.0 GHz Octa-core
RAM+ROM	3GB + 32GB 2GB + 16GB (optional)
Expansion	Supports up to 128 GB Micro SD card

Communication

Quad-core

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

Octa-core

WLAN	Support 802.11 a/b/g/n/ac/d/e/h/i/l/k/r/v, 2.4G/5G dual-band, IPV4, IPV6, 5G PA;
	Fast roaming: PMKID caching, 802.11r, OKC
	Operating Channels: 2.4G(channel 1~13), 5G(channel 36,38,40,42,44,46,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165, depends on local regulations
WWAN	Security and Encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSK—EAP-TTLS,EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS,PEAP-GTC,etc.
	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: CDMA EVDO: BCO WCDMA: B1/B2/B4/B5/B8 TD-SCDMA: A/F(B34/B39)
WWAN (Others)	4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B34/B38/B39/B40/B41
	Depending on the country's ISP
	Bluetooth
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

Physical Characteristics

Dimensions	157.6 x 73.7 x 29 mm / 6.2 x 2.9 x 1.14 in.
Weight	292 g / 10.3 oz.
Display	4" WVGA (480*800), 16.7M colors
Touch Panel	Rugged dual touch capacitive touch panel

Power	Main battery: Li-ion, removable, 4200mAh
	Standby: over 300 hours
	Continuous use: over 12 hours (depending on user environment) Charging time: 3-4 hours (with standard adaptor and USB cable)
Expansion Slot	1 slot for SIM card, 1 slot for MicroSD(TF) or PSAM card (Optional, Octa-quad)
Interfaces	Quad-core: USB Micro-B, OTG Octa-core: USB 2.0, Type-C, OTG
Audio	MIC, RECEIVER, Loudspeaker(0.8W), support voice call
Keypad	3 TP soft keys, 3 side keys, numeric keyboard
Sensors	Proximity sensor, light sensor, accelerometer sensor
Vibrator	Support

Developing Environment

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

User Environment

Operating Temp.	-4°F to 122°F / -20°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 2 m / 6.56 ft. drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15 KV air discharge, ±6 KV conductive discharge

Data Collection

Camera

Camera	8 / 13 MP Autofocus with Flash (Quad-core) 13 MP Autofocus with Flash (Octa-core)
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Barcode Scanning (Optional)

1D Linear Scanner (Quad-core)	Zebra SE965 / Honeywell N4313 / UE966
2D Imager Scanner	Zebra SE4710; Honeywell N6603
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D 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

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

* Pistol grip is optional, NFC can not coexist with the pistol grip

Accessories (See details in Accessory Guide)



AC Adapter



USB cable



Charging Cradle (Optional)



Battery



Wristband



Holster(Optional)

Notice: Product specifications are subject to change without prior notice. / Model: C6000 / Update Date: 2020-12-30

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