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 10 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

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" TN α-Si 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 Mirco SIM card, 1 slot for MircoSD(TF) or PSAM card (optional)
Interfaces	USB 2.0, Type-C, OTG
Sensors	Light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator, vibrator
Audio	1 microphone; 1 speaker; receiver
Keypad	3 TP soft keys, 3 side keys, numeric keyboard

Performance

Operating System	Android 10.0; GMS, Soti MobiControl; FOTA, SafeUEM supported. Built-in support for a future upgrade through Android 11 / 12 which complies with GMS
CPU	Cortex A-53 2.0 GHz Octa-core
RAM+ROM	3GB + 32GB
Expansion	Supports up to 128 GB Micro SD card

Communication

WLAN	Support 802.11 a/b/g/n/ac/d/e/h/i/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
	Security and Encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSK—EAP-TTLS,EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS,PEAP-GTC,etc.
WWAN	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: CDMA EVDO: BC0 WCDMA: B1/B2/B4/B5/B8 TD-SCDMA: A/F(B34/B39)
	4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/ B28B/B34/B38/B39/B40/B41
WWAN (Others)	Depending on the country's ISP
Bluetooth	V2.1+EDR, 3.0+HS and V4.1+HS, BT5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

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

Rear Camera	13 MP Autofocus with Flash

Barcode Scanning (Optional)

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


Hand Starp


Holster(Optional)

Notice: Product specifications are subject to change without prior notice. / Model: C6000 / Update Date: 2022-07-27

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