#### **CHAINWAY®**



# **C60**

## **Mobile Computer**



Android







WiFi

Bluetooth



1D F



1D Barcode



2D Barcode



NFC



Camera

UHF

() RFID



GPS

Chainway C60 is our newly-developed rugged handheld computer which exhibits extremely powerful performance, and that too while being immensely lightweight and portable. Built with Android 10 OS and Qualcomm high-performance processor, it features a removable large capacity battery and vigorous system configuration. It has rich functionality features for barcode scanning, RFID, NFC, front and rear cameras, etc., and can support 4G and WiFi. The ergonomic narrow-edge design makes it immensely comfortable to operate & employ for numerous projects. The device can be implemented in a wide spectrum of industries, including logistics, warehousing, retail, asset tracking, etc., assisting customers to improve operation and management level significantly.







## **Specification**

Dimensions	159.5 x 65.7 x 16.8 mm / 6.28 x 2.58 x 0.66 in.
Weight	219 g / 7.72 oz. (device with battery)
Keypad	5 side keys : power, 2 scan keys, volume +/-
	Main keyboard: 22 keys (numeric keys, direction key, screen-lock key, Enter, Del, F1-F10, etc.)
Battery	4350 mAh removable main battery, 2600 mAh pistol battery (UHF version optional)
	Standby: up to 490 hours (only main battery; WiFi: up to 470h; 4G: up to 440h)
	Continuous use: over 12 hours (depending on user environment)
	Charging time: 2.5 hours (charge device by standard adaptor and USE cable)
Speaker	Support
Vibrator	Support
Microphone	2 Microphones, 1 for noise reduction
Display	4-inch (18:9), IPS LTPS 1080 x 540
Touch Panel	Multi-touch panel, gloves and wet hands supported
Sensor	Gravity sensor, proximity sensor, light sensor, accelerometer sensor, vibration motor
Indicator LED	Power, charging, scanning indicator
Card slot	1 slot for SIM card, 1 slot for SIM or TF card
Interfaces	USB Type-C, USB 2.0, OTG
Performance	•
CPU	Qualcomm 1.8 GHz Octa-core / 1.3 GHz Quad-core
RAM+ROM	3 GB + 32 GB 2 GB + 16 GB (optional)
Expansion	Supports up to 128 GB Micro SD card
Developing	Environment
Operating System	Android 10
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio
User Enviror	nment
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 1.5 m / 4.92 ft. drops to the 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, ±8 KV conductive discharge
Communica	tion
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 <sup>^</sup> 13), 5G(channel36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132, 136,140,144,149,153,157,161,165), 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: 850/900/1800/1900 MHz
	3G: CDMA EVDO: BC0, BC1
	WCDMA: B1/B2/B4/B5/B8
	TD-SCDMA: A/F(B34/B39)
	4G: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/B38/B39/B40/B41
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna
Data Collect	iion
Camera	
Front Camera	5MP
Rear Camera	Rear 13MP Autofocus with flash
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
UHF (Optional)	
Engine	CM2000-1 module based on Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular Polarized Antenna (4 dBi)
Power	1W (30 dBm, +5 dBm to +30 dBm adjustable)
	2W Optional (33 dBm, for Latin America, etc.)
R/W range	Up to 15 m (open outdoors, Impinj MR6 tag)
Fastest Read Rate	900+ tags/sec
*Ranges and rates dep	end on tags and environment
Barcode Scann	ing (optional)
2D Scanner	Zebra: SE4710; Honeywell: N6603; DS7000, IA166S, IA171S
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),ei

#### Optional accessories(See details in Accessory Guide)

Wrist Strap; Rubber Bumper; Charging Cradle

 $Notice: Product \ specifications \ are \ subject \ to \ change \ without \ prior \ notice. \ / \ Model: \ C60 \ / \ Update \ Date: \ 2021-02-22$