



C60

Mobile Computer



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



NFC



UHF



Camera



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

Physical Characteristics

Dimensions	159.5 x 65.7 x 16.8 mm / 6.28 x 2.58 x 0.66 in.
Weight	219 g / 772 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 USB 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; GMS, FOTA, SafeUEM supported
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 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

Communication

WLAN	Support 802.11 a/b/g/n/ac/d/eh/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 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165).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.
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WWAN	2G: 850/900/1800/1900 MHz 3G: CDMA EVDO: BCO, 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 Collection

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 depend on tags and environment

Barcode Scanning (optional)

2D Scanner	Zebra: SE4710; Honeywell: N6603; DS7000, IA166S, IA171S
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbolologies	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.

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: 2020-12-30

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