













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. Built with Android 11OS 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. 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 levels significantly.



Physical Characteristics

Dimensions	159.5 x 65.7 x 16.8 mm / 6.28 x 2.58 x 0.66 in.
Weight	219g / 7.72 oz. (device with battery)
Keypad	5 side keys : power, 2 scan keys, volume +/- Main keyboard: 22 keys (numeric keys, direction key, screen-lockkey, Enter, Del, F1-F10,etc.)
Battery	4350 mAh removable main battery, 5200 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 12hours (depending on user environment) Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
Speaker	Support
Vibrator	Support
Microphone	2 Microphones, 1for noise reduction
Display	4-inch (18.9), TFT α-Si 1080 x 540
Touch Panel	Multi-touchpanel, gloves and wet hands supported
Sensor	Accelerometer sensor, light sensor, proximitysensor, gyroscope
Indicator LED	Power, charging, scanning indicator
Card slot	1slot for Nano SIM card, 1slot for Nano SIM or TF card
Interfaces	USB Type-C, USB 2.0, OTG

Performance

CPU	Cortex-A53 2.0GHz Octa-core
RAM+ROM	3 GB +32 GB 4 GB +64 GB (optional)
Expansion	Supports up to 128GB Micro SD card

Developing Environment

Operating System	Android 11; SafeUEM supported; Committed support for a future upgrade to Android 12, 13, and Android 14 pending feasibility
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 Multiple 1.5m / 4.92 ft. drops to the concrete across the operating temperature range 1000 x 0.5 m / 1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15KV air discharge, ±8KV conductive discharge

Communication

WLAN	Support 802.11a/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, 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(Europe/Asia)	2G: 850/900/1800/1900MHz 3G WCDMA: 850/900/1900/2100MHz TD-SCDMA A/F B34/B39 4G B1/B3/B5/B7/B8/B20/B38/B39/B40/B41
WWAN(America)	2G: 850/900/1800/1900MHz 3G: 850/900/1900/2100MHz 4G: B2/B4/B5/B7/B12/B13/B17/B28A/B28B/B38
Vo-LTE	Support Vo-LTEHD 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	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1GEN2 / 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 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.

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: 2022-01-14



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