



C61

Mobile Computer



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



NFC



UHF



Camera



GPS

Chainway C61 is a new generation rugged handheld computer with robust performance. Built with Android 9 /11OS and Qualcomm Octa-Core processor, it supports 27 keys /37 keys /47 keys optional keypad, abundant accessories like trigger handle, and features powerful removable battery. And it delivers optional barcode scanning, RFID, NFC, etc. This mobile computer can fulfill applications in logistics, warehousing, retail, etc.



Specification

Physical Characteristics

Dimensions	202.0 × 72.5 × 32.0 mm /7.95 × 2.85 × 1.26in. (Device Weight for Argentina, Uruguay, Bolivia, Ecuador market: 342~404g, including battery)
Weight	370g /13.05oz. (SE4710) ; 404g /14.25oz. (SE4850) /26 .05oz. / 738g (SE4850, UHF, pistol battery)
Keypad	Main keyboard (Optional) : 27 keys /37 keys /47 keys; Side keys: 2 scan keys +2 volume keys +1user-defined key
Battery	6700 mAh removable main battery, 5200 mAh optional pistol battery, support QC3.0 and RTC; Built in 100mAh backup battery, supporting battery hot swap, improving reliability and ensuring user data security Standby: up to 680 hours (only main battery ; WiFi: up to 560h; 4G: up to 560h) Continuous use: over 12hours (depending on user environment) Charging time: 3.5 hours (charge device by standard adaptor and USB cable)
Speaker	Support
Vibrator	Support
Microphone	2 Microphones, 1for noise reduction
Display	4-inch high definition display, TN α-Si 800*480
Touch Panel	Multi-touchpanel, gloves and wet hands supported
Sensor	Accelerometer sensor, light sensor,proximitysensor, gravity sensor
Indicator LED	Power, charging, status indicator
Card slot	1slot for Micro SIM card, 1slot for TF card
Interfaces	Android 9: USB Type-C, USB 3.0, OTG, extended thimble Android 11: USB Type-C, USB 3.1, OTG, extended thimble

Performance

CPU	Android9:Qualcomm Snapdragon™450 Octa-core,1.8GHz Android11:Qualcomm Snapdragon™662 Octa-core,2.0GHz
RAM+ROM	3 GB +32 GB /4 GB +64 GB
Expansion	Supports up to 128GB Micro SD card

Developing Environment

Operating System	Android 9: GMS, 90-day security updates, Android Enterprise Recommended, Zero-Touch,FOTA, SafeUEM supported Android 11:GMS, 90-day security updates, Android Enterprise Recommended, Zero-Touch,FOTA, 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 to 95% RH (non condensing)
Drop Specification	Multiple 1.8m /5.9 ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 × 0.5 m /1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15KVair discharge, ±8KV conductive discharge

Communication

Vo-LTE	Support Vo-LTEHD video voice call
Bluetooth	Android 9: Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR Android 11:Bluetooth 5.1
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internalantenna

WLAN	Support 802.11a/b/g/n/ac/d/e/h/i/k/r/v,2.4G/5Gdual-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),Dependson 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 (Europe, Asia)	2G: 850/900/1800/1900MHz 3G: CDMA EVDO: BCO 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: Android 9: B2/B4/B5/B7/B12/B17/B38 Android 11: B2/B4/B5/B7/B8/B12/B13/B17/B28A/B28B/B38

Data Collection

Camera

Rear Camera	Rear 13MP Autofocus with flash
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NFC

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1,NFC-IP2, etc.
Chips	M1card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

UHF (Optional)

Engine	CM710-1module based on Impinj E710 CM2000-1module 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, +5dBm to +30dBm adjustable) 2W Optional (33 dBm, for Latin America, etc.)
R/W range	Up to 15m (open outdoors, Impinj MR6 tag)
Fastest Read Rate	900+tags/sec
Communication Mode	Pin Connector

*Ranges and rates depend on tags and environment

Barcode Scanning (optional)

2D Scanner	Zebra: SE4710/SE4750SR/SE4750MR/SE4750DP/SE4850; Honeywell: N6603/EX30
1DSymbologies	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, AustralianPostal, Japan Postal, Dutch Postal (KIX), etc.

Optional accessories(See details in Accessory Guide)

Separate handle with one button
Handle +battery (handle battery 5200 mAh, one button)
UHF back clip +handle (5200 mAh, one button)
Wrist Strap; Charging Cradle

Notice: Product specifications are subject to change without prior notice. /Model: C61 /Update Date: 2022-01-14



Rugged-IT GmbH

Adresse: Clara-Fey-Str. 2, 53797 Lohmar, Germany

Tel: +49 (0)2246 915 99 77 Fax: +49 (0)2246 915 99 78 Email: info@rugged-it.de

Web: http://www.rugged-it.de