



C66 Mobile Computer



Chainway C66 is a newly-developed rugged handheld computer with large screen and strong extensibility. Based on Android 11.0 OS, it is equipped with Qualcomm octa-core processor for high-speed processing. With 5.5-inch high-definition display, it is integrated with barcode scanning, NFC and other functions. The data collection device supports quick charge and UHF sled for good extensibility, besides, device with Android 11.0 OS offers different optional functions such as built-in UHF, fingerprint recognition and volume measurement that can meet the needs in logistics, warehouse, manufacturing, retail, asset tracking, power patrol inspection, etc.



UHF Sled Reader

Opcional



Pistol Grip

Opcional

Specification

Physical Characteristics

Dimensions	160.0 x 76.0 x 15.5 mm / 6.3 x 2.99 x 0.61 in.
Weight	287 g / 10.12 oz. (device with battery)
Keypad	1 powerkey, 2 scan keys, 2 volume keys
Battery	Removable main battery (normal version:4420 mAh ; Android 11.0 with fingerprint / built-in UHF / volume measurement version: 5200mAh) 5200 mAh optional pistol battery, support QC3.0 and RTC 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	6.5-INCH High Definition Full Display (18:9), IPS LTPS 1440 x 720
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Sensor	Gravity sensor, proximity sensor, light sensor, accelerometer sensor, vibration motor
Indicator LED	Power, charging, status indicator
Card slot	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
Interfaces	Android 11.0: USB Type-C, USB 3.1, OTG, extended thimble;

Performance

CPU	Qualcomm 1.8 / 2.0 GHz Octa-core
RAM+ROM	4 GB + 64 GB
Expansion	Supports up to 128 GB Micro SD card

Developing Environment

Operating System	Android 11.0; GMS, built-in support for a future upgrade through Android 12 which complies with GMS and Android Enterprise Recommended
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-4°F to 122°F / -20 ℃ to +50 ℃
Storage Temp.	-40°F to 158°F / -40 ℃ to +70 ℃
Humidity	5% RH - 95% RH non condensing
Drop Specification	Multiple 1.8 m / 5.91 ft. drops (at least 20 times) to the concrete across the operating temperature range Multiple 2.4 m / 7.87 ft. drops (at least 20 times) to the concrete after installed rubber bumper
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/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IP 6, 5G PA;
	Fast roaming: PMKID caching, 802.11r, OKC
	Operating Channels: 2.4G(channel 1~13), 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), WPA3-PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS,PEAP-GTC,etc.

WWAN(America)	2G: 850/900/1800/1900 MHz
	3G: 850/900/1900/2100 MHz
	4G: Android 11.0: B2/B4/B5/B7/B12/B13/B17/B28A/B28B/B38
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Android 11.0: Bluetooth 5.1
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

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	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

Barcode Scanning

2D Scanner	Zebra: SE4710
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 .