



C66

Mobile Computer



Android



WiFi



Bluetooth



1D Barcode



2D Barcode



Camera

The rugged Wi-Fi only C66 is a Mobile Computer with enhanced Wi-Fi specialized in indoor applications. The mobile computer is not only equipped with advanced features of C66 series such as Android 11 operating system, Qualcomm Snapdragon™662 processor, large 5.5" display, large capacity removable battery, optional high-performance barcode reader, but also WiFi-6-ready with enhanced performance, which allows higher data throughput and security for complex and challenging indoor scenarios such as large-scale retail, logistics, and warehousing applications.



Specification

Physical Characteristics

Dimensions	160.0 x 76.0 x 15.5 mm / 6.3 x 2.99 x 0.61 in.
Weight	287g / 10.12 oz.(device with battery)
Keypad	1 power key, 2 scan keys, 2 volume keys
Battery	Removable main battery 4420 mAh; support RTC Standby: up to 490 hours (only main battery ; WiFi: up to 470h) Continuous use: over 12 hours (depending on user environment) Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
Display	5.5-inch high definition display (18:9), IPS IGZO 1440 x 720
Touch Panel	Multi-touch panel, gloves and wet hands supported
Sensor	Accelerometer sensor, light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator, vibrator
Audio	2 microphones, 1 for noise cancellation; 1 speaker; receiver
Card slot	1 slot for TF card
Interfaces	USB Type-C, USB 2.0, OTG, extended thimble

Performance

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

Developing Environment

Operating System	Android 11; GMS, 90-day security updates, Android Enterprise Recommended, Zero-Touch, FOTA, Soti MobiControl, 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
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

Bluetooth	Bluetooth 5.1
	Support 802.11 a/b/g/n/ac/ax-ready/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6, 5G PA
	Fast roaming: PMKID caching, 802.11r, OKC
WLAN	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), WAPI-PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS,PEAP-GTC,etc.

Data Collection

Camera

Rear Camera	Rear 13MP Autofocus with flash
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Barcode Scanning (Optional)

2D Scanner	Zebra: SE4710/SE2100; Honeywell: N6603; CM60
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: C66 / Update Date: 2023-07-10

CHAINWAY®

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