



C70

Mobile Computer



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



IRIS



NFC



Camera



GPS

Chainway C70, an Android-based mobile computer, delivers unprecedented excellence. It features powerful processor, stable wireless connectivity, NFC and 1D/2D barcode scanning, iris recognition functions. This rugged device can be deployed in industries like express delivery, logistics, warehousing, manufacturing and so forth.



Specification

Physical Characteristics	
Dimensions	163.8 x 79.2 x 13.8 mm /6.45 x 3.12 x 0.54 in.
Weight	242 g /8.5 oz.
Display	5.2" IPS LTPS 1920 x 1080
Touch Panel	Corning Gorilla Glass, multi-touchpanel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 4000mAh
	Standby: over 300 hours
	Continuous use: over 12 hours (depending on user environment)
	Charging time: 2-3 hours (with standard adaptor and USB cable)
Expansion Slot	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
Interfaces	USB 2.0 Type-C, OTG, Type-Headphones supported
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
Sensors	Light sensor, proximity sensor, gravity sensor

Performance	
CPU	Cortex-A53 2.5 /2.3 GHz Octa-core
RAM+ROM	3 GB +32 GB /4 GB +64 GB
Expansion	Supports up to 128GB Micro SD card

Communication	
Android 8.1	
WLAN	IEEE802.11a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN (China)	2G: 900/1800MHz
	3G: WCDMA: B1, B8
	CDMA2000 EVDO: BC0
	TD-SCDMA: B34, B39
WWAN (Europe)	4G: B1, B3, B5, B8, B34, B38, B39, B40, B41
	2G: 850/900/1800/1900MHz
	3G: B1, B2, B4, B5, B8
WWAN (America)	4G: B1, B3, B5, B7, B8, B20, B40
	2G: 850/900/1800/1900MHz
	3G: B1, B2, B4, B5, B8
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth v2.1+EDR, 3.0+HS, v4.1+HS
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

Android 11	
WLAN	IEEE802.11a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BC0 TD-SCDMA: A/F
	4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B34/B38/B39/B40/B41

Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

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 1.8m /5.91ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m /1.6ft. falls at room temperature
Sealing	IP65 /IP67 per IEC sealing specifications
ESD	±15KV air discharge, ±6KV conductive discharge

Developing Environment	
Operating System	Android 8.1; SafeUEM supported
	Android 11; SafeUEM supported. Committed support for a future upgrade to Android 12, 13, and Android 14 pending feasibility
SDK	Software Development Kit
Language	Java
Tool	Eclipse /Android Studio

Data Collection	
Camera	
Rear Camera	13MP Autofocus with flash
Front Camera (optional)	5MP camera

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 (Optional)	
2D Imager Scanner	Zebra SE4710/Honeywell N6603
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, 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.

Iris (optional)	
Rate	< 150 ms
Range	20-40 cm
FAR	1/10000000
Protocol	ISO/IEC 19794-6, GB/T 20979-2007

*Iris is alternative to front camera.

Accessories (See details in Accessory Guide)



Cradle (Optional)



AC Adaptor



USB Cable



Holster (Optional)



Rugged Boot with Handstrap (Optional)

Notice: Product specifications are subject to change without prior notice. /Model: C70 /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>