

CHAINWAY®



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-touch panel, 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-C headphones supported
Sensors	Light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator, vibrator
Audio	2 microphones, 1 for noise cancellation; 1 speaker; receiver
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
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 128 GB Micro SD card
Communication	
Android 8.1	
WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN (China)	2G: 900/1800 MHz
	3G: WCDMA: B1,B8
	CDMA2000 EVDO: BC0
	TD-SCDMA: B34,B39
WWAN (Europe)	4G: B1,B3,B5,B8,B34,B38,B39,B40,B41
	2G: 850/900/1800/1900 MHz
	3G: B1,B2,B4,B5,B8
WWAN(America)	4G: B1,B3,B5,B7,B8,B20,B40
	2G: 850/900/1800/1900 MHz
	3G: B1,B2,B4,B5,B8
WWAN(Others)	4G: B2,B4,B7,B12,B17,B25,B66
	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	IEEE802.11 a/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
WWAN	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 1.8 m / 5.91 ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.6 ft. falls at room temperature
Sealing	IP65 / IP67 per IEC sealing specifications
ESD	±15 KV 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 Symbolgies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSS, etc.
2D Symbolgies	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: 2022-03-31

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