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*79.2*13.8mm/6.45*3.12*0.54in
Weight	＜242g/8.5oz
Display	5.2" IPS FHD 1920x1080
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 SIM card, 1 slot for SIM or TF card
Interfaces	USB2.0 Type-C, OTG
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1 power key,
	2 scan keys, 1 multifunctional key
Sensors	Gravity sensor, Light Sensor,
	Proximity sensor, vibration motor

Performance

CPU	Cortex-A53 Quad-core 1.45GHz
RAM+ROM	2GB+16GB
Expansion	Supports up to 128 GB Micro SD card

Developing Environment

Operating System	Android 6.0; Soti MobiControl, SafeUEM supported
SDK	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 1.8m/5.9ft drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.6ft falls at room temperature
Sealing	IP65/IP67 per IEC sealing specifications
ESD	±15KV air discharge, ±6KV conductive discharge

Communication

WLAN	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna

WWAN(Europe)	2G: 850/900/1800/1900MHz
	3G: 850/900/1900/2100MHz
	4G: B1, B3, B5, B7, B8, B20, B40
WWAN(America)	2G: 850/900/1800/1900MHz
	3G: 850/900/1700/1900MHz
	4G: B2, B4, B7, B12, B17
WWAN (China)	2G: 900/1800MHz
	3G: 900/1900/2000/2100MHz
	4G: TDD-LTE: B38, B39, B40, B41
	FDD-LTE: B1, B3, B5
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.0, BLE
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna

Data Collection

Camera

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

NFC

Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4cm

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	<150ms
Range	20-40cm
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)