C70
Mobile Computer

Chainway C70, an Android-based mobile computer, delivers unprecedented excellence. It features powerful quad-core processor, stable wireless connectivity (4G LTE, Wi-Fi, Bluetooth), high-resolution camera, accurate GPS, NFC and optional 2D image scanning, iris recognition functions. This rugged device can be deployed in industries like express delivery, logistics, warehousing, manufacturing and so forth.

Most Powerful Application Performance

Chainway C70 prides itself on fluent Android 6.0 OS, powerful quad-core processor, together with 2GB of RAM, 16GB of ROM, plus a SD card slot that can add up to 32GB expansion.

Extensive Data Capture Functions

C70 can be integrated with best-in-class 2D image scanner, high-resolution camera, and NFC module. It offers higher accuracy in identity authentication with reliable iris recognition.

4G LTE — Faster Connectivity

Either indoors or outdoors, C70 provides enterprises with anywhere, anytime connectivity by fast 4G LTE cellular network, 802.11 a/b/g/n Wi-Fi and Bluetooth.

Rugged and Compact

C70 is highly rugged, compact and durable. With IP67 water and dust proof capability, workers can still expect reliable performance if they drop it to the concrete carelessly, use it in dusty areas, or even get it wet.

High Resolution Screen

C70 adopts 5.2 inch high-resolution (1080P) IPS LCD screen. Its rugged capacitive touch panel supports operation with wet hands or gloves.

Ultra-thin, Ultra-light & Ergonomic

This portable device weighs less than 8.5oz/242g. The ergonomic design makes it comfortable to hold, delivering comfortable user experience.

About Chainway

As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co., Ltd is a professional provider of products and solutions of RFID and barcode technology. Founded in 2005, Chainway, a high-tech enterprise, has won several times the title of the Best Provider of RFID Readers. Thousands of clients from over 100 countries have experienced our products in retail, logistics, transportation, healthcare, finance, security and manufacturing, etc. Through our nationwide offices, overseas subsidiary and an extensive partner network, we aim to provide high quality service to our clients.

CHAINWAY ®

1D Barcode	2D Barcode	IRIS	4G	NFC	WiFi	Bluetooth	GPS	Camera

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
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 buttons, 1 side button, 2 scan keys, 1 multifunctional key
Sensors	Gravity sensor, Light Sensor, Proximity Sensor, Vibration Motor

Performance

CPU	Cortex-A53 Quad-core 1.3GHz
RAM+ROM	2GB+16GB
Expansion	Supports up to 32 GB Micro SD card

Developing Environment

Operating System	Android 6.0
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	14°F to 122°F / -10°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	IP67
ESD	±8KV air discharge, ±4KV 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

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

Camera

Camera	13MP autofocus camera with flash

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

Notice: Product specifications are subject to change without notice. / Version: C70 V1.2.7 / Update Date: 2017-10-26