



C70U Mobile Computer

Chainway C70U mobile computer provides high levels of UHF RFID reading and writing capability. It can be equipped with linearly polarized antenna (3.0dBi) or circularly polarized antenna (PCB: 4.5dBi or ceramic: 3.0dBi). That it can read tags in bulk from long distances enables enterprises to deploy this single device in many areas with enhanced efficiency, especially in asset management, retail, warehousing, fleet management and etc.



Powerful Application Performance

C70U, based on fluent Android 6.0 OS, features powerful quad-core 1.3GHz processor, together with 2GB of RAM, 16GB of ROM, plus a SD card that can add up to 32GB expansion.



4G LTE — Faster Connectivity

With a variety of options including 4G, Wi-Fi and Bluetooth, C70U will never interrupt your work either indoors or outdoors with fast and stable network connectivity.



Superior UHF RFID Capability

C70U provides new levels of UHF RFID reading/writing performance. There are linearly or circularly polarized antennas available for your option.



Rugged and Durable

With IP67 rating, C70U is highly dust-proof and water-proof. This rugged device can sustain multiple 1.5m/4.9ft drops to the concrete under harsh environment.



Multiple Data Capture Options

In addition to its superior UHF RFID, it can also be integrated with class-leading 1D/2D barcode scan head, high-precision iris recognition module and camera. C70U delivers unprecedented efficiency and accuracy in collecting data.



Prolonged Battery Life

A total of 6000mAh (at least) battery volume enables your workers to perform a whole day's intensive tasks without charging midway.

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.



1D Barcode



2D Barcode



RFID



IRIS



4G



WiFi



Bluetooth



GPS



Camera

Physical Characteristics

Display	5.2" IPS FHD 1920x1080P
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Total amount: ≥6000mAh
Expansion Slot	1 slot for SIM card, 1 slot for SIM or TF card
Interfaces	USB
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

User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-4°F to 158°F / -20°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m drops to the concrete
Sealing	IP67

Developing Environment

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

Communication

WLAN	IEEE802.11 a/b/g/n
WWAN(Europe)	2G: B2, B3, B8, B5
	3G: B1, B2, B5, B8
	4G: B1, B3, B5, B7, B20, B40

WWAN(America)	2G: B2, B3, B8, B5
	3G: B2, B4, B5, B8
	4G: B2, B4, B7, B17
WWAN (China)	2G: B3, B8
	3G: B1, B8, B34, B39
	4G: B1, B3, B5, B38, B39, B40, B41
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.0, BLE
GNSS	GPS, GLONASS, BeiDou

Data Collection

Camera

Camera	13MP autofocus camera with flash
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Barcode Scanning (Optional)

1D Linear Scanner	N4313
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Imager Scanner	N6603/SE4710/SE4750MR, etc.
2D Symbolologies	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.

RFID

UHF

Antenna	Linear polarization (3.0dBi) Circular polarization PCB (4.5dBi) or ceramic (3.0dBi)
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Iris (optional)

Rate	<150ms
Range	20-40cm
FAR	1/10000000

Notice: Product specifications are subject to change without notice. / Version: C70U-2 V1.2.3 / Update Date: 2017-06-22

CHAINWAY®

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C70U With Pistol



C70U



C70U UHF



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