



C70EF Mobile Computer

Chainway C70EF is an Android rugged mobile computer. With its powerful quad-core processor and wireless connections such as 4G, Bluetooth and Wi-Fi, fingerprint authentication as well as other data capture options, including iris recognition, barcoding and HF RFID/NFC, you can find this easy-to-deploy device an exceptionally valuable helper to increase working efficiency and productivity. C70EF with abundant functions can best satisfy your different industrial needs.



Most Powerful Application Performance

Chainway C70EF 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.



Multiple Data Capture Options

C70EF delivers unprecedented efficiency and accuracy in collecting data as it can be integrated with class-leading 1D/2D barcode scanning head, and optional HF RFID/NFC.



Accurate Biometric Authentication

C70EF just works great during fingerprint enrollment, match and deletion. Users only need to press a finger on the scanner. Iris module also helps ascertain identity quickly by scanning iris of an individual's eyes.



4G LTE — Faster Connectivity

With a variety of options including 4G, Wi-Fi and Bluetooth, C70EF will never interrupt your work either indoors or outdoors with fast and stable network connectivity.



Rugged and Compact

C70EF 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.



Large Screen & Powerful Battery

C70EF adopts 5.2 inch high-resolution IPS screen. Its capacitive touch panel supports operation with wet hands or gloves. The battery (no less than 5000mAh) allows a full working day's non-stop operation.

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.



Physical Characteristics

Dimensions	164.2*78.8*17.5mm/6.46*3.10*0.69in (head 24.5mm/0.96in thickness)
Weight	230-260g/8.11-9.17oz (dependent)
Display	5.2" IPS FHD 1920x1080P
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, ≥5000mAh
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

Developing Environment

Operating System	Android 6.0
SDK	Chainway 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.	-4°F to 158°F / -20°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m/4.9ft drops to the concrete
Sealing	IP67

Communication

WLAN	IEEE802.11 a/b/g/n 2G: B2, B3, B8, B5
WWAN(Europe)	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

Fingerprint

Functions	Enrollment, match, deletion etc.
Sensor	TCS1
Image Size (pixel)	256*360
Sensing Area (mm)	12.8*18
Resolution (dpi)	508
Standard	FBI, STQC

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 (optional)

HF	
Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card, ICODE II, TI2048, LRI64K, Others for customization
Range	3-8cm

Iris (optional)

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

NFC (optional)

Frequency	13.56MHz
Protocol	ISO/IEC 18092 (ECMA 340) ISO/IEC 21481 (ECMA 352)
Range	2-4cm

Notice: Product specifications are subject to change without notice. / Version: C70EF V1.2.3 / Update Date: 2017-06-22

CHAINWAY®

Shenzhen Chainway Information Technology Co., Ltd

Address: 9F, Building2, Phase 2, Gaoxinqi Industrial Park, Liuxian 1st Rd., Bao'an District, Shenzhen, Guangdong 518102, China
Tel: 0086-755-23223316 Fax: 0086-755-23223310
Email: sales@chainway.cn Web: http://www.chainway.net

Chainway (India) Pvt. Ltd.

Address: 604, Tower B, Global Business Park, M.G. Road, Gurgaon, Haryana, India,122002.
Tel: +91 124 40000 23/24 / Fax: +91 124 40000 36 Email:info@chainway.co.in

