

CHAINWAY C71



Mobile Computer



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



Fingerprint



PSAM



UHF



Infrared



NFC/HF



IRIS



Camera



GPS

This device with abundant functions is an Android rugged mobile computer. With its powerful processor, stable wireless connections and comprehensive data capture options, you can find this easy-to-deploy device a valuable helper to increase productivity in logistics, warehousing, retail, identity verification, meter reading, IC card reading and etc.



Specification

Performance

| | |
|------------------|---|
| CPU | Cortex-A53 2.5 GHz Octa-core |
| RAM+ROM | 3 GB +32 GB 4 GB +64 GB (optional) |
| Expansion | Supports up to 128GB Micro SD card |
| Operating System | Android 8.1; GMS, Soti MobiControl, SafeUEM supported |

Communication

| | |
|----------------|---|
| WLAN | IEEE802.11a/b/g/n/ac, 2.4G/5G dual-band, internal antenna |
| WWAN (China) | 2G: 900/1800MHz |
| | 3G: WCDMA: B1/B8 |
| | CDMA2000 EVDO: BC0 |
| | TD-SCDMA: B34/B39 |
| WWAN (Europe) | 4G: B1/B3/B5/B8/B34/B38/B39/B40/B41 |
| | 2G: 850/900/1800/1900MHz |
| | 3G: B1/B2/B4/B5/B8 |
| WWAN (America) | 4G: B1/B3/B5/B7/B8/B20/B40 |
| | 2G: 850/900/1800/1900MHz |
| | 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 |

Physical Characteristics

| | |
|----------------|---|
| Dimensions | 164.2 x 78.8 x 17.0mm /6.46 x 3.1x 0.67 in. (for standard version) |
| Weight | <288 g /10.15oz. (for standard version) |
| Display | 5.2" IPS FHD 1920x1080 |
| Touch Panel | Corning Gorilla Glass, multi-touchpanel, gloves and wet hands supported |
| Power | Main battery: Li-ion, rechargeable, built-in 5000 mAh |
| | Standby: over 350 hours |
| | Continuous use: over 12 hours (depending on user environment) |
| | Charging time: 3-4 hours (with standard adaptor and USB cable) |
| Expansion Slot | 1 slot for SIM card, 1 slot for SIM or TF card |
| Interfaces | USB 2.0 Type-C, OTG, TypeC headphones supported |
| 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 |

Developing Environment

| | |
|----------|--------------------------|
| 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 /5.9 ft. drops (at least 20 times) to the concrete across the operating temperature range |
| Tumble Specification | 1000 x 0.5 m /1.64 ft. falls at room temperature |

| | |
|---------|--|
| Sealing | IP65 per IEC sealing specifications |
| ESD | ±15KV air discharge, ±6KV conductive discharge |

Data Collection

Camera

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

Barcode Scanning (optional)

| | |
|-------------------|---|
| 1D Linear Scanner | Zebra: SE965; Honeywell: N4313 |
| 1D Symbologies | 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 | Zebra: SE4710 /SE4750 /SE4750MR; Honeywell: N6603 |
| 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 | <150 ms |
| Range | 20-40 cm |
| FAR | 1/1000000 |
| Protocol | ISO/IEC 19794-6 , GB/T 20979-2007 |

*Iris is alternative to front camera.

HF (optional)

| | |
|-----------|---|
| Frequency | 13.56 MHz |
| Protocol | ISO14443A/B, ISO15693 |
| Chips | M1card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card, ICODE II, TI2048, LRI64K, Others for customization |
| Range | 3-8 cm |

NFC (optional)

| | |
|-----------|---|
| Frequency | 13.56 MHz |
| Protocol | ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc. |
| Chips | M1card (S50, S70), CPU card, NFC tags, etc. |
| Range | 2-4 cm |

UHF (optional)

| | |
|-----------|---------------------------------------|
| Frequency | 865-868 MHz /920-925 MHz /902-928 MHz |
|-----------|---------------------------------------|

*For detailed specification, please check C71UHF data sheet

InfraRed (optional)

| | |
|-----------|--------|
| Frequency | 38 kHz |
|-----------|--------|

*For detailed specification, please check C71InfraRed data sheet

Fingerprint (optional)

| | |
|--------|---|
| Sensor | Capacitive TCS1/TCS2; Optical Morpho CBM-E3 |
|--------|---|

*For detailed specification, please check C71Fingerprint data sheet

PSAM (optional)

| | |
|-----------|------------------------|
| Card slot | 2 slots for PSAM cards |
| Protocol | ISO7816 T=0, T=1 |

Accessories

| | |
|----------|--------------------------------------|
| Standard | AC Adaptor, USB Cable, Lanyard, etc. |
| Optional | Cradle, Holster, etc. |

*For detailed specification, please check Accessory Guide.