



# C71

## Mobile Computer



Chainway C71 with abundant functions is an Android rugged mobile computer. With its powerful quad-core 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

Physical Characteristics	
<b>Dimensions</b>	164.2*78.8*17mm/6.46*3.10*0.67in (for standard version)
<b>Weight</b>	<288g/10.15oz (for standard version)
<b>Display</b>	5.2" IPS FHD 1920x1080
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Power</b>	Main battery: Li-ion, rechargeable, built-in 5000mAh Standby: over 350 hours Continuous use: over 12 hours (depending on user environment) Charging time: 3-4 hours (with standard adaptor and USB cable)
<b>Expansion Slot</b>	1 slot for SIM card, 1 slot for SIM or TF card, optional PSAM slot (2 at most, ISO7816 protocol)
<b>Interfaces</b>	USB 2.0 Type-C, OTG
<b>Audio</b>	Speaker, 2 microphones
<b>Keypad</b>	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
<b>Sensors</b>	Gravity sensor, light sensor, proximity sensor, vibration motor
Performance	
<b>CPU</b>	Cortex-A53 Quad-core 1.3GHz
<b>RAM+ROM</b>	2GB+16GB
<b>Expansion</b>	Supports up to 32 GB Micro SD card
Developing Environment	
<b>Operating System</b>	Android 6.0
<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio
User Environment	
<b>Operating Temp.</b>	-4°F to 122°F / -20°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Drop Specification</b>	Multiple 1.8m/5.9ft drops (at least 20 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5m/1.6ft falls at room temperature
<b>Sealing</b>	IP65/IP67 per IEC sealing specifications
<b>ESD</b>	±8KV air discharge, ±4KV conductive discharge
Communication	
<b>WLAN</b>	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
<b>WWAN(Europe)</b>	2G: 850/900/1800/1900MHz 3G: 850/900/1900/2100MHz 4G: B1, B3, B5, B7, B8, B20, B40
<b>WWAN(America)</b>	2G: 850/900/1800/1900MHz 3G: 850/900/1700/1900MHz 4G: B2, B4, B7, B12, B17
<b>WWAN (China)</b>	2G: 900/1800MHz 3G: 900/1900/2000/2100MHz 4G: B1, B3, B5, B38, B39, B40, B41

<b>WWAN (Others)</b>	Depending on the country's ISP
<b>Bluetooth</b>	Bluetooth 4.0, BLE
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou, internal antenna

## Data Collection

### Camera

<b>Rear Camera</b>	13MP Autofocus with flash
<b>Front Camera (optional)</b>	5MP camera

### Barcode Scanning (optional)

<b>1D Linear Scanner</b>	Zebra SE965 / Honeywell N4313
<b>1D Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Imager Scanner</b>	Zebra: SE4710 / SE4750 / SE4750MR; Honeywell: N6603
<b>2D Symbologies</b>	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)

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

\*Iris is alternative to front camera.

### HF (optional)

<b>Frequency</b>	13.56MHz
<b>Protocol</b>	ISO14443A/B, ISO15693
<b>Chips</b>	M1 card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card, ICODE II, T12048, LRI64K, Others for customization
<b>Range</b>	3-8cm

### NFC (optional)

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

### UHF (optional)

<b>Frequency</b>	865MHz-868MHz / 920-925MHz / 902-928MHz
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\* For detailed specification, please check C71 UHF data sheet

### InfraRed (optional)

<b>Frequency</b>	38kHz
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\* For detailed specification, please check C71 InfraRed data sheet

### Fingerprint (optional)

<b>Sensor</b>	Capacitive TCS1/TCS2; Optical Morpho CBM-E3
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\* For detailed specification, please check C71 Fingerprint data sheet

## Accessories



Cradle (Optional)



AC Adaptor



USB Cable

Notice: Product specifications are subject to change without prior notice. / Model: C71 / Update Date: 2018-06-20

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