



# C63-Cold

## Mobile Computer



Android



4G



Wi-Fi



Bluetooth



1D Barcode



2D Barcode



NFC



Camera



GNSS

The Chainway C63 cold storage mobile computer is a newly launched rugged smart handheld computer purpose-built for cold chain applications. It features an active heating system for both the display and the scan window. The heated display ensures optimal visibility and responsive touch performance in low-temperature environments, while the heated scan window quickly eliminates condensation caused by sudden temperature changes, improving scanning efficiency. Equipped with a dedicated 5,600mAh cold-resistant battery, the C63 cold storage mobile computer delivers reliable power and extended operation time in freezing conditions, enhancing productivity and operational efficiency in cold storage management, refrigerated transportation, medical cold chain, and food processing scenarios.



# Specification

## Physical Characteristics

<b>Dimensions</b>	203.50 x 72.8 x 160 mm / 8.01 x 2.87 x 6.30in. (with pistol) 203.50 x 72.8 x 34.8 mm / 8.01 x 2.87 x 1.37in. (without pistol)
<b>Weight</b>	385g / 13.58oz. (device with battery) 571g / 20.14oz. (device with pistol and battery)
<b>Keypad</b>	Main keyboard (Optional) : 27 keys / 37 keys / 47 keys; Side keys: 2 scan keys + 2 volume keys + 1 user-defined key
<b>Battery</b>	5600 mAh removable main battery, 5000mAh optional pistol battery, support QC3.0 and RTC; Pistol battery with meter Continuous use: over 8 hours (depending on user environment) Charging time: 3.5 hours (charge device by standard adaptor and USB cable)
<b>Display</b>	4-inch high definition display, 800*480
<b>Touch Panel</b>	Multi-touch panel, gloves and wet hands supported
<b>Sensor</b>	Accelerometer sensor, light sensor, proximity sensor, gravity sensor gyroscope sensor, geomagnetic sensor
<b>Active Heating</b>	Heated Display Heated Scan Window
<b>Notification</b>	Sound, LED indicator, vibrator
<b>Audio</b>	1 microphone for noise cancellation; 1 speaker; 1 receiver
<b>Card slot</b>	1 slot for Micro SIM card, 1 slot for TF card
<b>Interfaces</b>	USB Type-C, USB 3.1, OTG, extended thimble

## Performance

<b>CPU</b>	Octa-core, 2.0 GHz
<b>RAM+ROM</b>	UFS, 4GB + 64GB / 6GB + 128GB
<b>Expansion</b>	Supports up to 256GB Micro SD (TF) card

## Developing Environment

<b>Operating System</b>	Android 13
<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## User Environment

<b>Operating Temp.</b>	-22°F to 122°F / -30°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5% RH to 95% RH (condensing)
<b>Drop Specification</b>	Multiple 1.5 m / 4.92 ft. drops to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5 m / 1.64 ft. falls at room temperature
<b>Sealing</b>	IP67 per IEC sealing specifications
<b>ESD</b>	±15 KV air discharge, ±8 KV conductive discharge

## Communication

	Support 802.11 a/b/g/n/ac/ax-ready/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6, 5G PA;
	Fast roaming: PMKID caching, 802.11r, OKC
<b>WLAN</b>	Operating Channels: 2.4G(channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165), Depends on local regulations Security and Encryption: WEP, WPA/WPA2-PSK(TKIP and AES), WAPI-PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC,etc.
<b>Vo-LTE</b>	Support Vo-LTE HD video voice call
<b>Bluetooth</b>	Bluetooth 5.0
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna
	2G: 850/900/1800/1900 MHz 3G: CDMA EVDO: BC0 WCDMA: 850/900/1700/1900/2100MHz TD-SCDMA: A/F(B34/B39)
<b>WWAN</b>	4G: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/B38/B39/B40/B41

## Data Collection

### Camera

<b>Rear Camera</b>	Rear 13 MP Autofocus with flash
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### NFC

<b>Frequency</b>	13.56 MHz
<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>	2-4 cm

### Barcode Scanning (optional)

<b>2D Scanner</b>	Zebra: SE4710/SE55; Honeywell: N6603/N6703; CM60
<b>1D Symbolologies</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 Symbolologies</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.

### Optional accessories(See details in Accessory Guide)

Separate handle with one button, Wrist Strap; Charging Cradle

Handle + battery (handle battery 5000 mAh, one button)

Notice: Product specifications are subject to change without prior notice. / Model: C63-Cold / Update Date: 2026-01-29

**CHAINWAY**<sup>®</sup>

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