



# MC95

## Mobile Computer



Chainway MC95 is a new high-performance and highly durable mobile computer. With Android 12 operating system, high-performance octa-core processor, optional large memory, 5.45-inch HD screen, 5000mAh removable battery, the excellent configuration delivers highly efficient operation. It supports optional barcode scanning, NFC, front and rear cameras and features IP68 protection rating, 1.5 meters drop resistance. This device perfectly adapts to applications for retail, logistics, warehousing, electricity, finance, transportation, manufacturing, etc. to help users significantly improve efficiency and obtain better return with less investment.



# Specification

## Physical Characteristics

<b>Dimensions</b>	160.0 x 75.0 x 16.4mm / 6.30 x 2.95 x 0.65in.
<b>Weight</b>	288g / 10.16oz (device with battery)
<b>Display</b>	5.45" , 1440 x 720
<b>Touch Panel</b>	Multi-touch panel, gloves and wet hands supported
<b>Power</b>	5000mAh removable main battery, support quick charge
<b>Expansion Slot</b>	1 slot for SIM card, 1 slot for SIM or TF card
<b>Interfaces</b>	USB Type-C, USB 2.0, OTG
<b>Sensors</b>	Light sensor, proximity sensor, gravity sensor
<b>Notification</b>	Sound, LED indicator, vibrator
<b>Audio</b>	2 microphones, 1 for noise cancellation; 2 speakers; receiver
<b>Keypad</b>	Power key, 2 scan keys, volume (+/-) keys

## Performance

<b>Operating System</b>	Android 12
<b>CPU</b>	Cortex-A53 Octa-core, 2.0 GHz
<b>RAM+ROM</b>	3 GB + 32 GB / 2 GB + 16 GB
<b>Expansion</b>	Supports up to 128 GB Micro SD card

## Communication

<b>WLAN</b>	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, 5G PA
<b>WWAN</b>	2G: GSM (B2 / B3 / B5 / B8) 3G: WCDMA (B1 / B2 / B4 / B5 / B8) TD-SCDMA (B34 / B39) 4G: FDD-LTE (B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B17 / B20 / B28A / B28B) TDD-LTE (B38 / B39 / B40 / B41)
<b>Bluetooth</b>	Bluetooth 5.0
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou, Galileo
<b>Vo-LTE</b>	Support

## 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 1.5 m / 4.9 ft. drops (at least 28 times) 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>	IP68 per IEC sealing specifications
<b>ESD</b>	±15 KV air discharge, ±8 KV conductive discharge

## Developing Environment

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

## Data Collection

### Camera

<b>Rear Camera</b>	13MP Autofocus with flash
<b>Front Camera</b>	5MP

### Barcode Scanning (Optional)

<b>2D Scanner</b>	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.

### 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

## Accessories

Adaptor, USB Cable, Charging Cradle, etc.

\* For detailed specification, please check Accessory Guide.