MC95

Mobile Computer

Android	4G	WiFi	Bluetooth	NFC	1D Barcode	2D Barcode	Camera	GPS

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 helps users significantly improve efficiency and obtain better return with less investment.

Specification

Physical Characteristics

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

Performance

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

Communication

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, 5G PA

WWAN	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)

Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo
Vo-LTE	Support

User Environment

Operating Temp.	-4 $^{\circ}$F to 122 $^{\circ}$F / -20 $^{\circ}$C to 50 $^{\circ}$C
Storage Temp.	-40 $^{\circ}$F to 158 $^{\circ}$F / -40 $^{\circ}$C to 70 $^{\circ}$C
Humidity	5% RH - 95% RH non condensing
Drop Specification	Multiple 1.5 m / 4.9 ft. drops (at least 28 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature
Sealing	IP68 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Developing Environment

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

Data Collection

Camera

Rear Camera	13MP Autofocus with flash
Front Camera	5MP

Barcode Scanning (Optional)

2D Scanner	CM60
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 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.

NFC

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

Accessories

Adaptor, USB Cable, Charging Cradle, etc.

* For detailed specification, please check Accessory Guide.