

HF | NFC - Handheld Reader **CHAINWAY - MC95**

- Octa-core 2.0 GHz performance
- Android 12 with GMS
- 5.5" HD touchscreen (glove & wet-hand capable)
- 5000 mAh removable battery
- IP68 rugged design & 1.5 m drop resistance



HF | NFC - Handheld Reader Android 12 - Operating System

The Chainway MC95 is a powerful and durable mobile computer designed to deliver outstanding performance in demanding work environments. Equipped with an octa-core processor, Android 12, and a bright 5.5-inch HD touchscreen, it ensures smooth operation and an intuitive user experience. With its long-lasting 5000 mAh removable battery, advanced connectivity options, and optional professional 1D/2D barcode scanning, the MC95 gives your workforce everything they need to work faster and more efficiently.

Built for reliability, the MC95 features an IP68-rated rugged design, 1.5-meter drop resistance, and highly accurate GPS positioning, making it the ideal companion for a wide range of applications. Whether in retail, logistics, warehousing, manufacturing, or field service, the MC95 enables seamless data capture and real-time communication - helping businesses increase productivity while reducing operational costs.

Common Applications

- Access Management
- Asset Tracking
- Retail inventory management
- Warehouse picking, packing & stock control
- Field service & maintenance operations

CHAINWAY



TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimension	160.0 x 75.0 x 16.4mm / 6.30 x 2.95 x 0.65in
Weight	288g / 10.16oz (device with battery)
Display	5.5", 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 Characteristics

Operating System	Android 12; GMS
CPU	Octa-core, 2.0 GHz
RAM+ROM	4GB + 64GB
Expansion	Supports up to 256GB Micro SD (TF) card

User Environment

Operating Temp.	-20 °C to +50 °C
Storage Temp.	-40 °C to +70 °C
Humidity	5% RH - 95% RH (non condensing)
Drop Specification	Multiple 1.5 m drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m (falls at room temperature)
Sealing	IP68 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

HF | NFC

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

Communication

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, 5G PA
WWAN (Europe, Asia)	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)
Vo-LTE	Support
Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo

Drivers & Support

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	Zebra: SE4710; CM60;
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbolologies	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.