

MF52

Ultra Sleek, Ultimate Performance

Built for the Pace of Modern Retail

From the sales floor to the stockroom, the MF52 keeps your business moving. Say goodbye to slow devices and storage limitations. With a lightning-fast Qualcomm octa-core processor (2.9GHz), up to 12 GB of RAM, and 256 GB of UFS storage, the MF52 delivers seamless, reliable performance—no matter how demanding the task. Wi-Fi 7 keeps you connected in busy workspaces, and 5G ensures you're always online on the go, while UWB, Bluetooth 6, and built-in beacon technology work together to provide pinpoint location tracking and seamless peripheral pairing. To secure all these fast-paced operations, an integrated fingerprint sensor provides instant access while keeping your critical business data strictly protected.

Do More with One Device

Why carry multiple tools when one does it all? The MF52 combines RFID, 2D barcode scanning, NFC payments, and a high-resolution 50 MP camera—all in one compact, powerful package. From inventory checks to customer interactions, it's everything you need at your fingertips. With its slim 16 mm profile and ergonomic design, the MF52 fits comfortably in your hand and slips easily into your pocket—true mobility, redefined.

Power that Lasts as Long as Your Day

Long shifts? No problem. The MF52's 4,670 /7,000 mAh hot-swappable battery keeps you powered through even the busiest days, with 7 to 9 hours of continuous scanning. Hot-swap capability means you never need to power down to recharge. And with PD 3.0 fast charging, you're back to 90% in under 90 minutes (Standard Battery SKU)—less downtime, more done.

Tough Enough for Real Work

Built to thrive in the real world, the MF52 is as durable as it is sleek. It's MIL-STD-810 certified to survive 1.5 m drops and 500 tumbles, while strengthened glass shields the screen from scratches and impacts. IP68 sealing keeps dust and water out, so whether you're on the shop floor or out in the field, the MF52 is ready for whatever your day brings.



Basic Package

- 1 x Terminal
- 1 x Power Adaptor
- 1 x USB Type-C Cable
- 1 x Power Plugs
- 1 x LCD Protective Film

Accessories (Optional)

- Rubber Boot
- Single Slot Cradle
- Single Slot Ethernet Cradle
- 4-Slot Battery Charger
- 5-Slot Cradle
- Multi-Slot Cradle
- Gun Trigger
- Hand Strap



Octa-core
2.9 GHz



RAM
8 GB or 12 GB



ROM
128 GB or 256 GB



Android 15
(upgradable to 19)



Embedded
RFID Reader



4,670 mAh
7,000 mAh



Honeywell
S0703



266.5 g



6.0" FHD+ Display
(1,080 x 2,160)



GNSS



1.5 m (5 ft.)
multiple drops



IP68



-20 °C to 60 °C



Rear 50 MP
Front 8 MP



Bluetooth
v6.0



NFC
Apple VAS Support



5G / Wi-Fi 7



PULS
Service

MF52

PERFORMANCE CHARACTERISTICS

Main Processor

Qualcomm QCM6690, Octa-core @ 2.9 GHz

Operating System

Google Android
(GMS & AOSP) Android 15 (Upgradable to Android 19)*

Memory and Storage

RAM	8 GB or 12GB LPDDR5x
Flash	128 GB or 256 GB UFS
micro SD	Supports up to 1 TB using ExFAT file system
SIM	1 nano SIM and eSIM

Sensors

Proximity Sensor
Light Ambient Sensor
Accelerometer
Gyro Sensor
Digital Compass
Fingerprint Sensor

PHYSICAL CHARACTERISTICS

Dimensions	168 x 79 x 16.45 mm 6.6 x 3.1 x 0.64 in
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Weight	266.5 g (9.4 oz)
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Display	6.0" FHD+ Display (1,080 x 2,160 pixels) LED Backlight 600 nits, typical Daylight Readable
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Power

Standard Battery	4,670 mAh, typical, 3.8 V (Li-ion Rechargeable, removable pack with locker)
Extended Battery	7,000 mAh, typical, 3.8 V (Li-ion Rechargeable, removable pack with locker)
Back-up Battery DC output	60 mAh, 3.7 V (10C), Hot-Swap PD3.0, 20W Charging upto 90% from 0% within 90 mins (STD. Battery) / 140 mins (EXT. Battery)

Keys and Buttons

Right	Scan/PTT, Fingerprint
Left	Scan, Volume
Top-right	Power
Top-left	Emergency

Voice and Audio

Dual Microphones
Receiver
3W Speaker (100±3 dB)
Support Smart PA
SPK 1.5W X 2

Standard Communications

USB 3.1 Type-C port
POGO 5 pin (Rear)
POGO 2 pin (Bottom)

Notification

2 x Dual LEDs on Front:
Power (R/G), Warning (R/B)
Vibration

GLOBAL NAVIGATION SATELLITE SYSTEM

WiFi SKU
Phone SKUNo GNSS
Qualcomm GNSS
A-GPS supports XTRA (GPS, GAL,
GLONASS, Beidou, QZSS)

Dual-Band GNSS

L1/G1/E1/B1 (GPS, GLO, GAL, BeiDou,
QZSS) + L5/E5a/BDSB2a (GPS, GAL,
BeiDou, QZSS)

WIRELESS

Wireless WAN

5G

NR Sub6 NSA and SA n1/2/3/5/7/8/12/13/
14/20/25/26/28/29/38/40/41/48/66/71/7
7/78/79 Sub-6 CA, FDD+FDD, FDD+TDD
2CA, DL MIMO 4x4, n1/2/3/7/25/38/40/41/
48/66/77/78/79, UL 2x2 MIMO n77/78/79

4G LTE

B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25
/26/28/29/38/39/40/41/42/43/48/66/
68/71, DL MIMO 4x4, B1/2/3/4/7/25/38/40
/41/42/43/48/66, Support 4CA
Korea PS (Public Safety) LTE B28 (KR SKU)

3G

B1/2/4/5/6/8/19

Wireless LAN

Radio

802.11 a/b/g/n/ac/ax/be
802.11d/h/i/k/r/v/w/mc
MIMO 2x2Security and
EncryptionWEP / WPA / WPA2 / WPA3 / WEP, RC4
Algorithm / TKIP, RC4 Algorithm / AES,
Rijndael Algorithm / EAP-TLS / EAP-TTLS /
PEAP-GTC / PEAP-MSCHAPv2 / PEAP-TLS
/WiFi Direct and Hot-spot support
Wi-Fi 7, HBS, MLO

Wireless PAN

Bluetooth

Bluetooth 6 and Class 1
(Class 2 Selectable by SW)
Supports BLE, UWB

DATA CAPTURE

Integrated
Scan Engines

S0703

Camera

Rear

50 MP, Auto focus, EIS, F. No 1.8
Support the binning function for low-light
environments

Front

8 MP

NFC (Near Field Communication)

NFC-Forum
(NFC-IP Modes)

Reader for NFC Forum (Tag Types 2 to 5)

Reader
(PCD - VCD)- ISO/IEC 14443 A / 14443 B / 15693
- MIFARE Classic 1K / 4K / DESFire
- MIFARE UltraLight
- Sony FeliCa
- Apple: ECP1.0 & ECP2.0 Polling Support
Supports VAS

RFID Reader

Embedded RFID

Short Range UHF RFID
Read Rate : 50 tags /sec
Read Range : ~ Upto 1.0 m

USER ENVIRONMENT

Operating
Temperature-20 °C to 60 °C
-4 °F to 140 °FStorage
Temperature-25 °C to 70 °C
-13 °F to 158 °F

Humidity

95% Non-condensing

Drop

1.5 m (5 ft.) multiple drops to concrete
surface across the operating temperature
range, MIL-STD 810H

Mini Drop

10,000 cycle at 20 cm

Tumble

500 cycles (1,000 hits), 1.0 m (3.3 ft.)
meeting and exceeding the IEC 60068-2-
31 specificationRain/Dust-proof
(Sealing)IP68
IEC 60529:1989/AMD2:2013/COR1:2019Electrostatic
Discharge± 15 kV Air Discharge
± 8 kV Contact Discharge

ENTERPRISE SOLUTION



Simple yet powerful management solution

PMDM is a mobile device management solution for managing
and monitoring your Point Mobile Android devices.Centralized management of enterprise devices is vital for better
productivity. You should provide a device configuration that the
workers can concentrate on their work with the device, and also
decrease the device downtime by predicting when to replace
the battery, etc.EmKit
Enterprise Mobility KitThe EmKit™ is Point Mobile's value-added service kit engineered
for the pure benefit of system integrators. EmKit supports the
utilization, solution development, and secure management of
your business devices.

PULS - ANDROID UPDATE & SECURITY

PULS is a Point Mobile's lifetime solution, which extends the life
cycle of Android-based Point Mobile enterprise devices to up to
seven years after a product launch.PULS
Patches, updates & Lifetime SupportStay up-to-date with the latest security updates for up to 7 years
Conveniently update your devices in the field by FOTA
Update Android Versions and use new features via PULS***For further information, please visit www.pointmobile.com or
contact your regional sales representative.

WARRANTY

Subject to the Terms and Conditions, MF52 carries 1 (one)
year-warranty period from the date of purchase against the
defective materials and manufacturing defects.For the further inquiry, please leave your message here:
<https://pointmobile.com/en/contact/inquiry.php>* The Android version may vary based on the mobile processor product roadmap.
The upgradeable version is subject to change on the manufacturer's policy and
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