

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 12GB of RAM, and 256GB of UFS storage, the MF52 delivers seamless, reliable performance—no matter how demanding the task. Wi-Fi 7 keeps you connected in crowded stores or busy hospitals, while 5G ensures you're always online, even on the go.

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 50MP camera—all in one compact, powerful package. From inventory checks to customer interactions, it's everything you need at your fingertips. With its slim 12mm 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 massive 7,000mAh removable extended 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—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 1.5m drops and 500 tumbles, while Gorilla Glass 7 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)

- Rugged Boot
- Single-slot Charging Cradle
- 5-slot Charging Cradle
- 4-slot Battery Charger
- Gun Trigger



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



Ultra-slim 2D
Scan Engine



260 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

PERFORMANCE CHARACTERISTICS

Main processor

Qualcomm QCM6690, Octa-core @ 2.9 GHz

Operating system

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

Memory and storage

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

Sensor

Proximity sensor
Light ambient sensor
Accelerometer
Gyro sensor
Digital compass
Finger print sensor

PHYSICAL CHARACTERISTICS

Dimensions 168 x 78 x 12.7 mm
6.6 x 3.0 x 0.5 in.

Weight 260 g

Display 6.0" FHD+ display (1,080 x 2,160 pixels)
LED backlight
Corning Gorilla glass 7
600 nits typical
Daylight readable

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)

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)

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	No GNSS
Phone SKU	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 /26/28/29/38/39/40/41/42/43/48/66/71 DL MIMO 4x4, B1/2/3/4/7/25/38/40/41/42 /43/48/66 Support 4CA
3G	B1/2/4/5/6/8/19

Wireless LAN

Radio	802.11 a/b/g/n/ac/ax/be (Wi-Fi 7) 802.11d/h/i/k/r/v MIMO 2x2
Security and Encryption	WEP / 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 DBS, MLO

Wireless PAN

Bluetooth	V6.0 Bluetooth and Class 1 (Class 2 selectable by SW) BLE support
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DATA CAPTURE

Integrated scan engines

Ultra-slim 2D scan engine

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 VAS supported

RFID Reader

Embedded RFID	Short range UHF RFID 50 tags /sec (coverage 1m)
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USER ENVIRONMENT

Operating temperature	-20 °C to 60 °C -4 °F to 140 °F
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Storage temperature	-25 °C to 70 °C -13 °F to 158 °F
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Humidity	95% non-condensing
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Drop	1.5 m (5 ft.) multiple drops to concrete surface across the operating temperature range, MIL-STD 810H
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Mini drop	10,000 cycle at 20cm
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Tumble	500 cycles (1,000 hits), 1.0 m (3.3 ft.) meeting and exceeding the IEC 60068-2- 31 specification
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Rain/dust proof (Sealing)	IP68
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Electrostatic discharge	± 15 kV air discharge ± 8 kV contact discharge
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ENTERPRISE SOLUTION

PMDM
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 Kit

The 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 Support

Stay 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 condition.

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