

MF52e

MF52 DNA, Engineered for Real Work

Core Values of MF52e, Yet Tailored for Extensive Use.

MF52e retains MF52's sleek design, lightweight form, and core strengths—now refined to serve a broader range of operational needs. It brings dependable everyday performance with a Qualcomm® octa-core processor (2.4 GHz), up to 6 GB of RAM, and 64 GB of storage (with an 8 GB RAM / 128 GB storage SKU also available for more demanding workflows). And with Android 15 and upgradeability through Android 19, it not only supports what you need today but also prepares you for the requirements of tomorrow, offering a purpose-built solution that fits a wide range of business environments while maintaining the qualities that made MF52 effective in the first place.

Right Choice for Real-World Performance.

MF52e equips you with the essential tools that frontline teams rely on every day—2D barcode scanning and reliable rear and front cameras. Whether you're managing inventory or assisting customers, it offers the capabilities that matter most, without unnecessary complexity. And with its slim 12mm profile and ergonomic design, MF52e fits comfortably in your hand and slips easily into your pocket, delivering mobility that keeps up with the pace of real work.

Power that Lasts as Long as Your Day

Long shifts? No problem. MF52e'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, MF52e is as durable as it is sleek. It is MIL-STD-810 certified to survive 1.5m drops and 500 tumbles. IP68 sealing keeps dust and water out, so whether you're on the shop floor or out in the field, MF52e 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
- Hand Belt



Octa-core
2.4 GHz



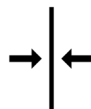
RAM
6 GB or 8 GB



ROM
64 GB or 128 GB



Android 15
(upgradable to 19)



12.7 mm
Slim



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 13 MP
Front 8 MP



Bluetooth
v5.2



NFC



5G / Wi-Fi 6E



PULS
Service

MF52e

PERFORMANCE CHARACTERISTICS

Main Processor	
Qualcomm, Octa-core @ 2.4 GHz	
Operating System	
Google Android (GMS & AOSP)	Android 15 (Upgradable to Android 19)*
Memory and Storage	
RAM	6 GB or 8 GB
Flash	64 GB or 128 GB eMMC
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

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 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	60 mAh, 3.7 V (10C), Hot-Swap
DC output	PD3.0, 20W (Charging upto 90% from 0% within 90 mins)
Keys and Buttons	
Right	Scan/PTT, Programmable Button
Left	Scan, Volume
Top-right	Power
Top-left	Emergency
Voice and Audio	
	Dual microphones
	Receiver
	3W Speaker (100±3 dB)
Standard Communications	
	USB 3.0 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/BDS2a (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/ (Wi-Fi 6E) 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 /Wi-Fi Direct and Hot-pot support DBS
Wireless PAN	
Bluetooth	Bluetooth 5.2, Class 1 (Class 2 selectable by SW) BLE Support


DATA CAPTURE

Integrated Scan Engines	Honeywell S0703
Camera	
Rear	13 MP, Auto focus, F. No 2.0 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 1 to 5)
Reader (PCD - VCD)	- ISO/IEC 14443 A / 14443 B / 15693 - MIFARE Classic 1K / 4K / DESFire - MIFARE UltraLight - Sony Felica

USER ENVIRONMENT


Operating Temperature	-20 °C to 60 °C -4 °F to 140 °F
Storage 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 specification
Rain/Dust proof (Sealing)	IP68
Electrostatic Discharge	± 15 kV Air Discharge ± 8 kV Contact Discharge

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, MF52e 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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