

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 16.45mm 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



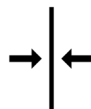
RAM
6 GB or 8 GB



ROM
64 GB or 128 GB



Android 15
(upgradable to 19)



16.45 mm
18.25 Slim



4,670 mAh
7,000 mAh



Ultra-slim 2D
Scan Engine



266.5 g
305.5g



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

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 With Standard Battery: 168 x 79 x 16.45 mm
(6.6 x 3.0 x 0.5 in)
With Extended Battery: 168 x 79 x 18.25 mm
(6.6 x 3.1 x 0.7 in)

Weight With Standard Battery: 266.5 g (9.40 oz)
With Extended Battery: 305.5 g (10.78 oz)

Display 6.0" FHD+ isplay (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 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, 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/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/
77/78/79 Sub-6 CA, FDD+FDD, FDD+TDD,
2CA, DL MIMO 4x4, 1/2/3/7/25/38/40/41/
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
/WiFi 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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