

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. Hot-swap capability means you never need to power down to recharge. With PD 3.0 fast charging, the standard battery reaches 90% in under 90 minutes, while the extended battery reaches 90% in under 140 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. IP65 & 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 Standard Battery Pack
- 1 x Power Adaptor
- 1 x AC Plug (EU)
- 1 x LCD Protective Film
- 1 x Hand Strap
- USB Type-C Cable

Accessories (Optional)

- Single Slot Cradle
- Single Slot Ethernet Cradle
- 4-Slot Battery Charger
- Multi-Slot Cradle
- Gun Handle
- Rubber Boot



Octa-core
2.4 GHz



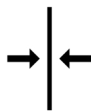
RAM
6 GB or 8 GB



ROM
64 GB or 128 GB



Android 15
(upgradable to 19)



16.45 mm
18.25 mm Slim



4,670 mAh
7,000 mAh



Ultra-slim 2D
Scan Engine



266.5 g
308.5g



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



GNSS



1.5 m (5 ft.)
multiple drops



IP65&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		GLOBAL NAVIGATION SATELLITE SYSTEM		USER ENVIRONMENT	
Main Processor Qualcomm, Octa-core @ 2.4 GHz		WiFi SKU Phone SKU	No GNSS Qualcomm GNSS A-GPS Supports XTRA (GPS, GAL, GLONASS, BeiDou, QZSS) L1/G1/E1/B1 (GPS, GLO, GAL, BeiDou, QZSS) + L5/E5a/BDSB2a (GPS, GAL, BeiDou, QZSS)	Operating Temperature	-20 °C to 60 °C -4 °F to 140 °F
Operating System Google Android (GMS) Android 15 (Upgradable to Android 19)*		Dual-Band GNSS		Storage Temperature	-40 °C to 70 °C -40 °F to 158 °F
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		WIRELESS		Humidity	95% (Non-condensing)
Sensor Proximity Sensor Light ambient Sensor Accelerometer Gyro Sensor Digital Compass		Wireless WAN		Drop	1.5 m (5 ft.) multiple drops to concrete surface across the operating temperature range, MIL-STD-810H
		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	Mini Drop	10,000 cycles
		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	Tumble	500 cycles (1,000 hits), 1.0 m (3.3 ft.) meeting and exceeding the IEC 60068-2-31 specification
		3G	B1/2/4/5/6/8/19	Rain/Dust proof (Sealing)	IP65 & IP68
		Wireless LAN		Electrostatic Discharge	± 15 kV Air Discharge ± 8 kV Contact Discharge
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)		Radio	802.11 a/b/g/n/ac/ax(Wi-Fi 6E) 802.11d/h/i/k/r/v/w MIMO 2x2	ENTERPRISE SOLUTION	
Weight With Standard Battery: 266.5 g (9.40 oz) With Extended Battery: 308.5 g (10.88 oz)		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-spot support DBS	 PMDM Simple yet powerful management solution	
Display 6.0" FHD+ Display (1,080 x 2,160 pixels) LED Backlight 600 nits, typical Daylight Readable		Wireless PAN		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.	
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 PD 3.0, 2.0 W (Charging upto 90% from 0% within 90 mins)		Bluetooth	Bluetooth 5.2, Class 1 (Class 2 selectable by SW) BLE Support	 EmKit Enterprise Mobility Kit	
Keys and Buttons Right Scan/PTT, Programmable Button Left Scan, Volume Top-right Power Top-left SOS		DATA CAPTURE		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.	
Voice and Audio Dual microphones Receiver 3 W Speaker (100±3 dB)		Integrated Scan Engines	Honeywell S0703	PULS - ANDROID UPDATE & SECURITY	
Standard Communications USB 3.0 Type-C port POGO 5 pin (Rear) POGO 2 pin (Bottom)		Camera		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.	
Notification 2 x Dual LEDs on Front: Power (R/G), Warning (R/B) Vibration		Rear	13 MP, Auto focus, EIS, F. No 2.0 Flash LED (1 LED, Certified IEC62471)	 PULS Patches, updates & Lifetime Support	
		Front	8 MP	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	
		NFC (Near Field Communication)		For further information, please visit www.pointmobile.com or contact your regional sales representative.	
		NFC-Forum (NFC-IP Modes)	Reader for NFC Forum (Tag Types 1 to 5)	WARRANTY	
		Reader (PCD – VCD)	- ISO/IEC 14443 A / 14443 B / 15693 - MIFARE Classic 1K / 4K / DESFire - MIFARE UltraLight - Sony FeliCa	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.	

* 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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