Product Introduction

MF52e

MF52 DNA, Perfect Balance for the Field

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Point Mobile Co., Ltd. is the designer and manufacturer of mobile computers.

At-a-glance – MF52e

Qualcomm
Octa-core, 2.4 GHz

Android 15
(Upgradeable to 19)

6" FHD+
1080 x 2160

1080 X 2160 FHD+
16.45 mm Slim, 266.5g

Wi-Fi 6E, 5G,
Bluetooth 5.2

Camera | 13 MP (R), 8 MP (F)
2D Scan | Straight, 20 ° 60 °

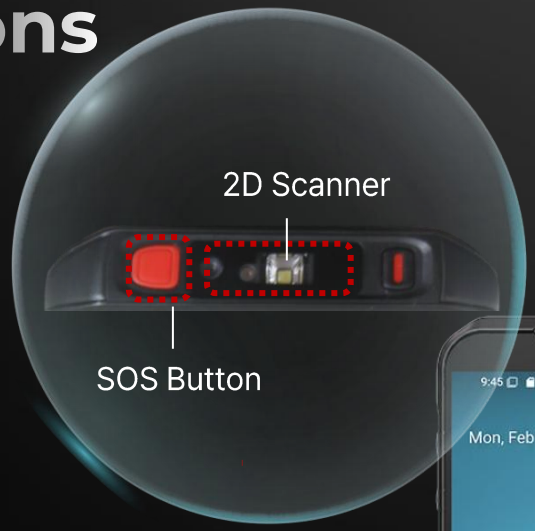
PD 3.0
Fast-charging

4,670 / 7,000 mAh
Hot-Swappable
Battery

1.5 m (4.9 ft.) Drop Tested
IP65, IP68, MIL-STD-810H

In-Display NFC
Tag Type 1-5

Specifications

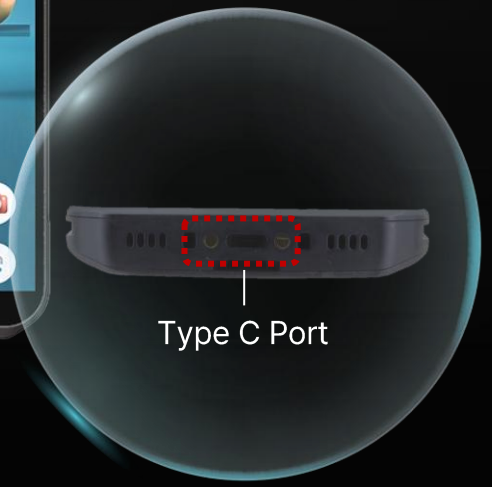


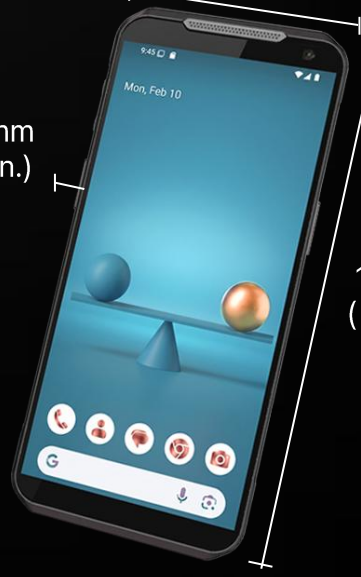
8 MP Front /
13 MP Rear Camera

Volume up/down

Programmable
Button

6“ FHD+
1080 x 2160





79 mm
(3.11 in.)

12.7 mm
(0.5 in.)

168 mm
(6.61 in.)

Highlights

Reliable Everyday Performance

- Qualcomm 2.4 GHz Octa-core Processor
- 6 GB or 8 GB RAM / 64 GB or 128 GB Storage
- Android 15 (Upgradable to 19)

Field-Ready Data Capture

- 2D Scanner (Straight / **20 ° /** 60°)
- In-Display NFC
- 13 MP Rear / 8 MP Front Camera

Rugged yet Stylish Design

- 12.7 mm Slim, 266.5 g Lightweight
- 1.5 m Drop Tested, MIL-STD-810H Certified
- IP65 & IP68

Stay Connected, Anywhere

- Wi-Fi 6E, 5G, and Bluetooth 5.2
- Dual SIM (Nano + eSIM)

Seamless Workflow

- 4,670 mAh (STD), 7,000 mAh (EXT)
- Hot-Swappable Battery
- PD 3.0 Fast Charging (90% in 90 min)
- Programmable Button, Dedicated PTT
- SOS Button

Stay Ahead Of Change

Point Mobile's Long-Term Android Support

Technology moves fast—too fast for most devices to keep up. Upgrades, new networks, shifting app standards. MF52e doesn't follow—it leads from one step ahead.

A foundation built for tomorrow requires a system that evolves long after deployment. Powered by Android 15 (upgradable to 19), MF52e stays compatible with future standards and applications—helping you reduce TCO and stay prepared for whatever comes next.

Core Power for Every Challenge

MF52e, powered by the Qualcomm QCM4490 Octa-core 2.4 GHz processor, is engineered for the core demands of the frontline. It delivers consistent, responsive performance for essential workflows.

Optimized for extensive workplaces, MF52e is the smart, scalable choice to empower your entire team with reliability.

Seamlessly Optimized, Powerfully Connected

WiFi 6E

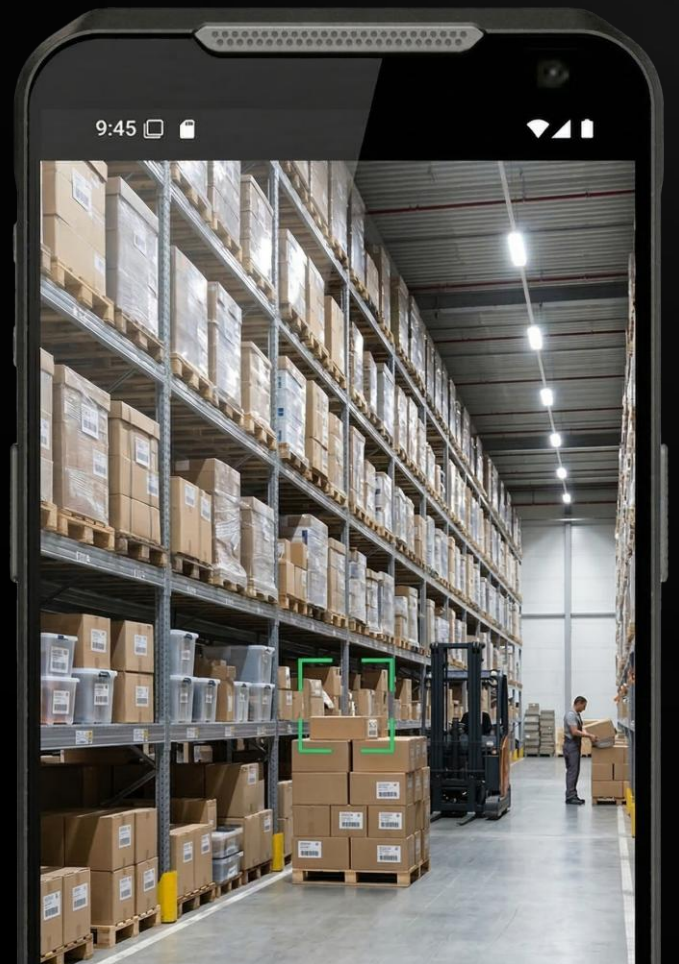
Powered by the Qualcomm WCN6856, MF52e accesses the 6GHz spectrum to provide a dedicated, interference-free lane for essential business data. It ensures ultra-responsive performance, maintaining a steady workflow even in environments with extreme device density.

5G

Supports high-capacity Sub-6GHz networks to provide ultra-low latency and seamless real-time data synchronization. It empowers field teams with constant, high-speed connectivity, ensuring uninterrupted productivity and fast decision-making regardless of location.

Bluetooth 5.2

MF52e handles multiple peripherals with ease. Leveraging EATT technology, MF52e enables seamless multitasking with high-speed responsiveness, even when paired with several devices at once. Enhanced by LE Power Control, it ensures data integrity, connection stability and maximizing battery life.



8 MP & 13 MP Front-Rear Camera

MF52e features a 13 MP rear and 8 MP front camera, offering the practical performance required for daily field operations. The rear camera ensures reliable clarity for asset documentation and on-site evidence, while the front supports video communication and ID verification. Together, they deliver the essential imaging tools needed for consistent and accurate professional reporting.

Optimized Scanning with Honeywell S0703

Intuitive Aiming: Cross Target & Framers

The high-visibility laser aimer with a cross target and framers provides an intuitive "point-and-shoot" experience. It ensures fast, precise scanning even in harsh environments, significantly reducing misreads and accelerating field workflow.

Extended Reach: Up to 573 mm (22.6 in.)

MF52e offers an exceptional reading range of up to 573 mm (22.6 in.) for UPC codes. It instantly captures damaged, low-contrast, or digital barcodes on the first try, maintaining a steady and uninterrupted workflow.

Ultra-Slim & Efficient: 7.3 mm MIPI Architecture

Modern MIPI architecture simplifies internal wiring, enabling a 7.3 mm (0.28 in.) ultra-slim engine that reduces device bulk and fatigue. This efficient design also ensures low power consumption, maximizing battery life for guaranteed full-shift productivity.

3 Scanner Angle Options to Maximize Work Efficiency

0° is optimized for standard straight-on scanning,
while 20° is designed for comfortable scanning even when mounted on a table.
60° reduces wrist strain when scanning barcodes in high places like shelves or conveyors,
lowering fatigue during long, repetitive tasks.
By selecting the right angle for your workplace, you can achieve both an optimal scanning posture
and maximum productivity in any work environment.

Full-Spectrum NFC

Interaction Without Limits

Leveraging NFC Forum Tag Types 1 through 5, MF52e offers full-spectrum compatibility across the broadest range of standards. From legacy tags to high-security credentials, it ensures seamless authentication, access control, and instant device pairing. Built for maximum reliability, MF52e provides a versatile foundation for any contactless enterprise workflow.

266.5g
12.7mm

Sleek, Lightweight, yet Powerful

At 12.7mm Slim and 266.5g light, it's built to fit your hand and your pace—easy to carry through long shifts, effortless to use one-handed, and comfortable from the first scan to the last. Sleek for the counter, tough for the warehouse, and ready for every space in between—whether you're moving fast on the floor or working steady at the frontline.

Never Wait, Never Stop.

Hot-Swappable Battery

The 4,670 (STD) / 7,000 mAh (EXT) hot-swappable battery keeps your work moving without interruption. Even when the battery is removed, the device stays powered for up to 30 seconds.

PD 3.0 Fast Charging

With PD 3.0 fast charging, MF52e gets from 0% to 90% in just 90 minutes—keeping your device ready when your work can't slow down. Even during demanding shifts, rapid top-ups ensure minimal downtime and maximum productivity, so your workflow stays uninterrupted.

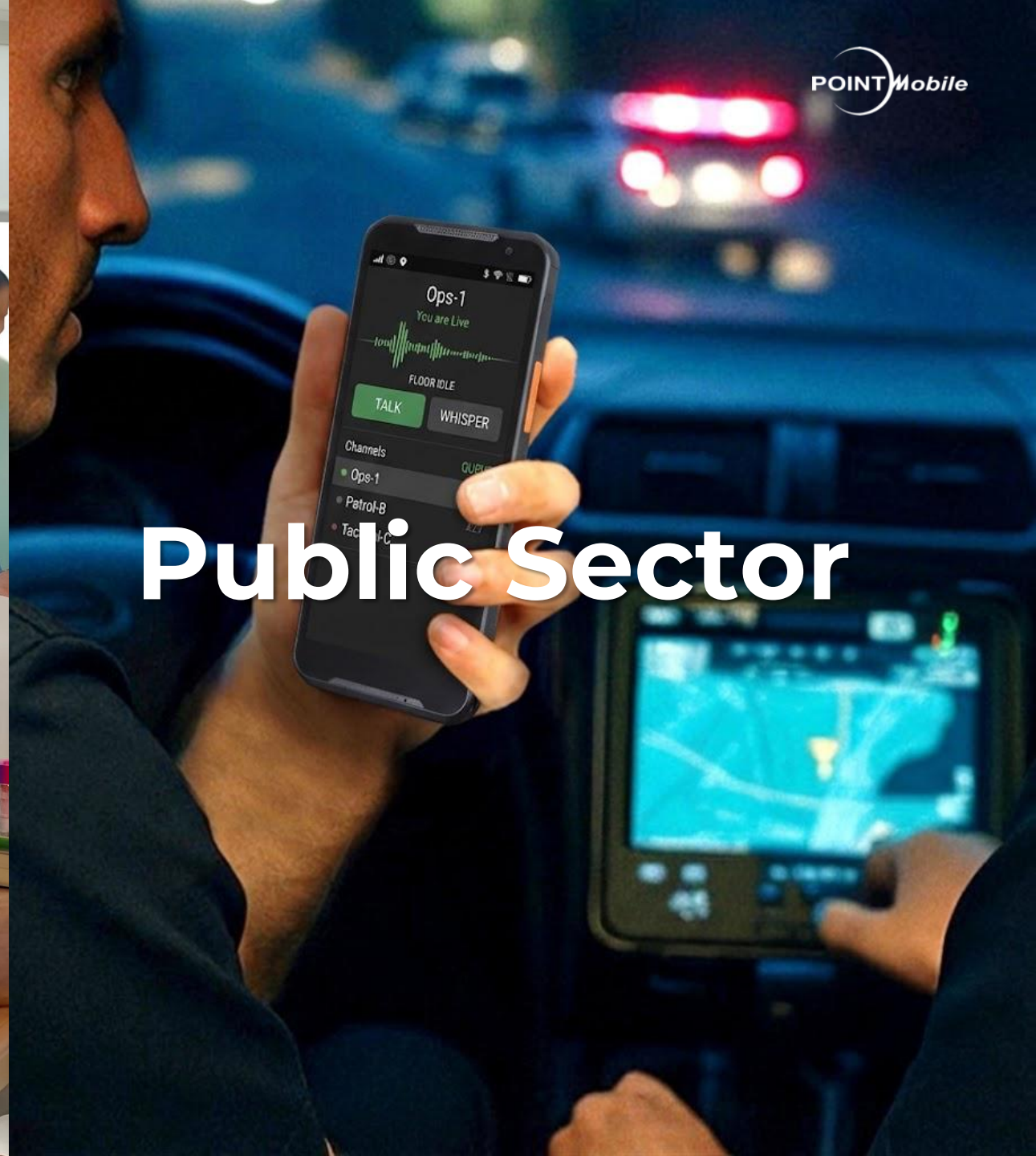
Vertical

RETAIL

LOGISTICS &WAREHOUSE

Vertical

Field Service



Public Sector

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