

# MX450

## Handheld terminal designed to improve operational efficiency

### Easy to hold and reduces fatigue.

The grip size is designed to fit comfortably in anyone's hand, allowing a firm one-handed hold. The weight balance minimizes fatigue in the wrist and arm. The back surface features an anti-slip texture that helps secure the fingers, enabling a stable hold for smooth operation. The rounded shape of the main body achieves both ease of grip and ease of input simultaneously.

Users can scan while looking at the screen without needing to adjust their grip, and finger movements during key input are smooth. Dome-shaped keys are designed for easy pressing, supporting reliable input even when wearing gloves. Additionally, the center trigger key and directional (D-pad) keys are separated to reduce misinputs, and frequently used keys are grouped just below the screen to further improve operability.

The screen features a highly visible 3.2-inch touch panel LCD with a resistive touch system, allowing operation even when wearing gloves.

Three-way triggers are positioned at the center, sides, and back to support scanning in various holding styles. The unique rear trigger allows natural operation where the index finger pulls the trigger while the thumb operates the numeric keypad. Two models with scanning angles of 25° and 60° are available. The 25° model is suitable for reading shelf labels at high locations and for picking tasks. The 60° model is ideal for scanning cardboard boxes in delivery operations.

### Quickly and reliably.

Equipped with a state-of-the-art 2D barcode-compatible CMOS imager, this device offers high-speed, accurate scanning—even for hard-to-read codes—thanks to a global shutter that performs well in low-light conditions and reduces motion blur. Features like center aiming and release-triggered scanning allow precise targeting of specific codes in dense environments, while continuous scanning supports high-volume tasks such as shipment inspections. It can also capture multiple clustered barcodes at once, making it ideal for receiving and shipping label scans.

Running on Android 13, the device supports a wide range of Google services and enterprise apps, ensuring smooth deployment and scalability. Powered by a Qualcomm QCM4290 SoC with a 2.0 GHz octa-core CPU, it delivers fast performance. With 4 GB RAM and 64 GB internal storage (including system area), it provides the flexibility required for diverse operational needs.

### Anytime, anywhere.

Built with a shock-resistant frame and resin touch panel, the device withstands drops from up to 3.0 meters. It is IP67 rated for dust and water resistance and operates reliably in extreme temperatures from -20°C to 50°C. The three-layer internal structure with sealed casing ensures durability and airtightness for demanding environments.

With an all-day battery design and USB Type-C charging, it minimizes downtime and supports continuous field operation. Equipped with WAN for high-speed data and voice communication, as well as built-in GPS, it enables real-time connectivity and accurate location tracking—ideal for delivery accuracy, fleet management, and other mobile business applications.



#### Basics Package

- Battery (2,900 mAh)
- Hand strap
- Stylus Pen

#### Accessories (Optional)

- Single-slot cradle (LAN/USB)
- Single-slot cradle (USB)
- 2-slot charging cradle
- 2-slot battery charger

MX450

PERFORMANCE CHARACTERISTICS

CPU

Octa-core @ 2.0 GHz

OS

Google Android      Android 13

Memory and storage

RAM / Flash      4GB/64GB  
micro SD      Single slot supporting SDXC  
SIM      cards up to 32GB  
1 nano SIM

Sensor      Proximity, ambient light,  
accelerometer, gyroscope,  
magnetometer, and pressure  
sensor.

PHYSICAL CHARACTERISTICS

Dimensions      66 x 196 x 38 mm

Weight      260 g (battery included)  
Display      3.2" transmissive color TFT  
LCD  
LCD, 800 x 480 pixels

Power

Battery      2,900 mAh, lithium-ion

Key & Buttons      Alphanumeric  
CLR key (Clear key)  
Enter key  
Power key  
Cursor keys  
Fn key (Function modifier  
key)  
Function keys (F1-F8)  
Center trigger button  
Back trigger button  
Left and right side trigger  
buttons

Voice & Audio      Dual microphones  
Receiver  
Speaker (75dB+)

Communication      USB 2.0 Type-C x 1  
6-pin I/O connector

Notification      Charging LED 3 colors  
(red, green, orange)  
Notification LED 3 colors  
(red, green, blue)  
Vibration

GNSS

A-GPS, GLONASS, BeiDou, QZSS/L1C

WIRELESS

Wireless WAN      UMTS / HSDPA      LTE 1, 3, 7, 8, 19, 20, 26, 38, 41  
/ HSUPA      WCDMA 1, 6, 8  
GSM/EGPRS/GPRS 900, 1800  
Support voice call  
LTE/UMTS/HSPA/HSPA+/  
GSM/GPRS/EDGE, VoLTE

Wireless LAN      Wi-Fi      IEEE802.11.a/b/g/n/ac  
Support CCX (no certification)  
Support Fast Roaming  
WPA3 Enterprise 192-bit

Wireless PAN      Bluetooth      Bluetooth ver 5.1 + EDR/LE

DATA CAPTURE

Integrated scan engine      2D scan engine with a scanning angle of 25° or 60°

Camera      Top      13MP, LED flash, F2.0

NFC      Supports Type A/B/F tags

USER ENVIRONMENT

Operating temperature      -20 °C to 50 °C

Storage temperature      -25 °C to 60 °C

Humidity      95% non-condensing

Drop      3.0m

Tumble      50cm, 10,000 cycles

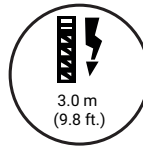
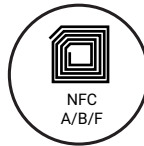
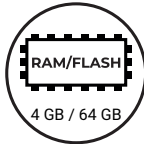
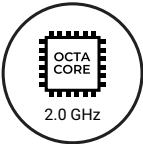
Rain/dust proof (Sealing)      IP67

Electrostatic discharge (ESD)      ± 15 kV air discharge  
± 8 kV contact discharge

WARRANTY

Subject to the Terms and Conditions, MX450 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>



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