

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

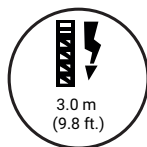
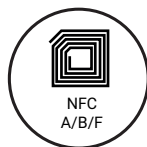
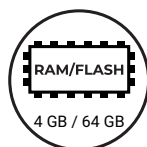
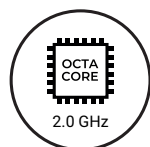
Electrostatic discharge (ESD)

± 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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