

PM452

NEXT GENERATION HANDHELD TERMINAL FOR THE STATE-OF-THE-ART SCANNING PERFORMANCE

Fine-Tuned for Maximum Data Capture Efficiency

Introducing the PM452, a powerhouse in handheld terminal technology, meticulously engineered to deliver unparalleled scanning performance in any environment. With powerful scan engine options, including an extra-long-range and a flexible range scanner with dynamic reading capabilities, the PM452 provides fast and accurate reading of various symbologies. With a robust 2.2 GHz processor and ample 6 GB RAM / 128 GB flash memory, the device excels in processing data and decoding symbologies quickly, even in challenging conditions such as low lighting or damaged barcodes. The 13 MP camera on top of the device, equipped with PDAF (Phase Detection Auto Focus) technology, captures clear images in a split second.

Enhanced Connectivity for Seamless Operations

The PM452 sets new standards in connectivity and efficiency with Wi-Fi 6E, enhancing data security, preserving battery life, and ensuring swift data transmission. Its advanced network capacity empowers businesses to effortlessly manage larger datasets, catalyzing productivity growth. With the LTE option, workers can utilize the device seamlessly throughout the entire supply chain, leading to uninterrupted operations. The optional 5,700 mAh extended battery gives users enough power to stay connected and productive all day, wherever they are.

Choose Your Ideal Device

Choose from a standard range 1D/2D imager or opt for the extra-long-range one that boasts an incredible reading distance of up to 29 m when reading certain types of symbologies. Tailor your PM452 further with three keypad options: numeric, function numeric, or alphanumeric. To enhance efficiency further, consider the optional ergonomically designed, detachable Gun Handle which boosts productivity in your workforce.

Pragmatic Device for Any Size of Business

PM452 is well-equipped with the latest technologies, including Android 13, advanced scan engines, and Wi-Fi 6E, while remaining as a pragmatic choice for businesses of all sizes. Its exceptional durability keeps maintenance simple and downtime low. With IP65 & IP67 water/dust resistance, a 2.0 m (6.6 ft.) drop resistance to concrete at room temperature, and an operating temperature ranging from -20 °C to 60 °C (-4 °F to 140 °F), the PM452 is well protected and suitable for any type of work setting.



Android
Enterprise
Recommended



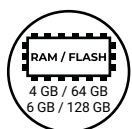
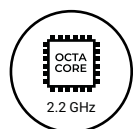
Industries

Transport & Logistics
Manufacturing
Warehouse Management

Accessories

Standard
AC/DC Power Adaptor
Country Plug
LCD Protection Film
Battery
- Standard: 4,000 mAh
- Extended: 5,700 mAh
Stylus
Wristband

Optional
Single Slot Cradle (opt. Ethernet)
4 Slot Cradle
4 Slot Battery Charger
Gun Trigger



PM452

PERFORMANCE CHARACTERISTICS

Main processor

Octa-core @ 2.2 GHz

Operating system

Google Android (GMS & AOSP) Android 13 (upgradable to Android 18)*
FOTA (Firmware Over The Air) update

Memory and storage

RAM / Flash 4 GB / 64 GB or 6 GB / 128 GB
micro SD Supports up to 512 GB using ExFAT file system
SIM 1 micro SIM

Sensor

Proximity sensor, Light ambient sensor,
Accelerometer, Gyro sensor

PHYSICAL CHARACTERISTICS

Dimensions 214.9 x 77.3 x 39.3 mm
8.5 x 3.0 x 1.6 in.

Weight 450 g / 15.9 oz.

Display

4.3", IPS panel (480 x 800 pixel), WVGA
LED backlight
Daylight readable (max. 500+ nits)
Widewiewing angle
Multi-touch capacitive
Corning Gorilla glass

Power

Standard battery 4,000 mAh, 3.7 V, Li-ion rechargeable
Extended battery 5,700 mAh, 3.63 V, Li-ion rechargeable
Back-up battery 60 mAh, 3.7 V (10C), Hot-Swap

Keypad

Three options Numeric, Function Numeric, Alpha numeric

Voice & Audio

Built-in microphone
Dual speakers

Standard communications

USB 2.0 Type-C/OTG
POGO 7 pin

Notification

LED on top: power (R/G), warning (R/B)
LED on side: scan status (R/B)
Vibration

GLOBAL NAVIGATION SATELLITE SYSTEM

WLAN SKU: No GNSS
WWAN SKU: GNSS receiver support for GPS (A-GPS),
GLONASS, Galileo, and Beidou

WIRELESS

Wireless WAN

EDGE/GPRS/GSM 900/1800/850/1900
WCDMA B1/2/4/5/6/8/19
LTE FDD B1/2/3/4/5/7/8/12/13/17/19/20/25/26/28
LTE TDD B38/40/41

Wireless LAN

Radio IEEE 802.11 a/b/g/n/ac/ax/d/h/i/k/r/v,
Wi-Fi 6E, Wi-Fi Direct and Hot Spot support,
1x1 MU-MIMO

Data rates 6 GHz: 802.11 ax: Up to 867 Mbps
5 GHz: 802.11 a/n/ac/ax: Up to 867 Mbps
2.4 GHz: 802.11 b/g/n/ax: Up to 143 Mbps

Operating channels 1 to 13 (2412~2472 MHz)
36 to 165 (5180~5825 MHz)
1 to 233 (5955~7115 MHz)

Channel bandwidth 20, 40, 80, 160 MHz

Security and encryption WEP / WPA / WPA2 / WEP, RC4 Algorithm /
TKIP, RC4 Algorithm / AES, Rijndael
Algorithm, EAP-FAST / EAP-TLS / EAP-TTLS
/ PEAP-GTC / PEAP-MSCHAPv2 / WPA3
Personal / WPA3 Enterprise / Enhanced
Open (OWE)

Fast Roam 802.11r

Wireless PAN

Bluetooth Class I, ver. 5.2, BLE support

DATA CAPTURE

Integrated scan engines

Three 1D/2D scan engine options including flexible range and
extra-long range

Camera

Top 13 MP, F. No. 2.0, PDAF (Phase Detection
Auto Focus), LED flash

NFC (Near Field Communication)

NFC-Forum (NFC-IP Modes) Reader for NFC Forum (Tag Types 1 to 5)
Reader ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC
(PCD – VCD) 15693, Mifare Classic 1K/4K, Mifare
DESFire, Mifare UltraLight®, Sony FeliCa

USER ENVIRONMENT

Operating temperature -20 °C to 60 °C
-4 °F to 140 °F

Storage temperature -40 °C to 70 °C
-40 °F to 158 °F

Humidity 95% non-condensing

Drop

2.0 m (6.6 ft.) multiple drops to concrete
surface at room temperature
1.8 m (6 ft.) across the operating
temperature range, MIL-STD-810H

Tumble

1,000 cycles (2,000 hits), 1.0 m (3.3 ft.)
per IEC 60068-2-31 specification

Rain/dust proof (sealing)

IP65 & IP67


Electrostatic discharge

± 15 kV air discharge
± 8 kV contact discharge

REGULATORY APPROVALS AND COMPLIANCE

CB, CE, RoHS, WEEE, FCC, IC, RCM, KC, NRCAN, BIS, WPC, IMDA,
NBTC, CITC, SIG

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 year
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, PM452 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 upgradable version is subject to change on the manufacturer's policy and
condition.

** Android version updates may come with restrictions and could incur charges.

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