

# PM451

## BRING SUPERIOR 4G CONNECTIVITY TO YOUR WORKPLACE

### Making outdoor tasks easier with LTE connection

The LTE option lets your employees continue to do their tasks without worrying about losing the network connection. Now being able to make data input/output with seamless connectivity on PM451, your workers can handle all warehouse logistics problems with ease - no matter where they are. Expect a fast and consistent WiFi connection anytime as well through 2x2 MU-MIMO technology.

### Revolutionize the way you capture data

PM451 is designed to run Android, the operating system of choice when it comes to rugged handheld terminals used in the warehouse. Accompanied by Point Mobile's unique Enterprise Mobility Kit (EmKit™), this device provides a fast and seamless user experience, minimizing the time and resources for training your workforce.

### Configure the PM451 just as you need it

The standard range 1D/2D imager reads all GS1 symbologies as well as poorly printed barcodes. You can opt for the extra long range imager version with a maximum reading distance of 29 meters (when decoding 100 MILS C39 RFL symbology). Two LED indicators on each side will instantly give you information about scanning. In addition, as an effort to meet various needs of our customers, PM451 will come with three types of keypad options which are Numeric, Function Numeric and Alpha numeric. Finally, the ergonomically designed optional gun grip will further increase the productivity of your workforce.

### Outstanding durability for rough warehouse tasks

As a heavy-duty mobile terminal, PM451 is tuned with an IP65 rating and a drop resistance of 2m (MIL-STD 810G). Combined with the ability to survive dramatic temperature changes and many more extreme conditions, PM451 is a device you can always rely on during the hardwork.



#### Industries

Transport & Logistics  
Manufacturing & WMS

#### Accessories

**Standard**  
AC/DC Power Adaptor  
Country Plug  
USB Type-C Cable  
Standard Battery (5,700mAh)  
Stylus  
LCD Protection Film

**Optional**  
Gun Handle  
Optional Battery (4,000mAh)  
Single Slot Cradle (opt. with Ethernet)  
4 Slot Charging Cradle  
4 Slot Battery Charger



**PERFORMANCE CHARACTERISTICS**

**Main-Processor**

Qualcomm® SDA660 2.2GHz Octa Core

**Operating System**

Google Android Android 9 or 11  
(GMS certified) FOTA (Firmware Over The Air) update

**Memory and Storage**

RAM 4GB  
ROM (NAND Flash) 64GB  
SIM 1 Micro SIM slot

**Sensor**

Proximity sensor, Light Ambient sensor, Accelerometer

**PHYSICAL CHARACTERISTICS**

**Dimensions**

With standard batt. 214.94mm L x 77.26mm W x 39.25mm D  
8.46 in. L x 3.04 in. W x 1.55 in D

Grip 61.6mm  
2.43 in

**Weight**

450g / 15.87oz

**Display**

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

**Power**

STD Battery 5,700mAh Li-ion rechargeable  
OPT Battery 4,000mAh Li-ion rechargeable  
Back-up Battery 60mAh (10C) Li-ion rechargeable (Hot-Swap)

**Keypad**

3 Keypad options (backlit keys) Numeric, Function Numeric, Alpha numeric keypad (optional)

**Voice and Audio**

Built-in microphone and speaker

**Standard Communications**

USB 2.0 Type C/OTG (supports battery charging PC, USB memory)

**Notification**

LED Power (Charging, Battery Fault)  
Notification (Message, Scan)  
Vibration

**GLOBAL POSITIONING SYSTEM**

**GPS**

WiFi SKU : No GPS  
Phone SKU : Qualcomm GPS  
GNSS Receiver Support for 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/ 19/20/25/26/28  
LTE TDD B38/B40/41

**Wireless LAN**

Radio IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v, IPv4, IPv6, 2x2 MU-MIMO

**Data Rates**

5GHz: 802.11a/n/ac: Up to 866.7 Mbps  
2.4GHz: 802.11b/g/n: Up to 300 Mbps

**Operating Channels**

1 to 13 (2412~2472MHz)  
36 to 165 (5180~5825MHz)

**Channel Bandwidth**

20, 40, 80 MHz

**Security and Encryption**

WEP (40 or 104bit)  
WPA/WPA2 Personal (TKIP, AES)  
WPA/WPA2 Enterprise (TKIP/AES)  
WPA3 Personal (SAE)\*  
WPA3 Enterprise (AES)\*  
WPA3 Enterprise 192-bit mode (GCMP 256)\*  
Enhanced Open (OWE)\*  
PEAP (MSCHAPv2, GTC),  
TLS, TTLS (PAP, MSCHAP, MSCHAPv2, GTC)  
PWD, SIM, AKA, AKA', LEAP  
CCX v4 supported  
WiFi Direct and Hot spot support

**Fast Roam**

CCCKM, 802.11r

\*Supported on Android 11 devices only

**Wireless PAN**

Bluetooth Integrated Bluetooth Class I, Ver. 5.0 BLE support

**DATA CAPTURE**

**Integrated Barcode Reader**

1D barcode scanner SE965

2D barcode scanner N6703

**Long range**

EX30

**Camera**

Top 13MP with LED flash

**NFC (Near Field Communication)**

NFC-Forum (NFC-IP MODES) Reader For NFC Forum (Tag Types 1 To 5), P2P Active (106 To 424 kbps) Initiator and Target, P2P Passive (106 To 424 kbps) Initiator and Target

Reader ISO/IEC 14443 A, ISO/IEC 14443 B  
(PCD - VCD) ISO/IEC 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**

Multiple drops from 1.8m (6ft) to concrete over the entire operating temperature range

Multiple drops from 2m (6.5ft) per MIL-STD 810G at room temperature

**Rain / Dust Proof (Sealing)**

IP65

**Tumble**

1,000 cycle (2,000hits) at 1m / 3.3ft

**Electrostatic Discharge**

±15 kV air discharge  
±8 kV contact discharge

**REGULATORY APPROVALS AND COMPLIANCE**

Certified CE, CB, RCM, KC, IC, FCC, IFITEL, NOM, NBTC, CU, FAC, NRCAN, DOE, CEC  
Environmental: RoHS III & WEEE compliant

**ENTERPRISE SOLUTION**

SOTI, Airwatch, Teamviewer



**Scan2Stage**

PC tool for provisioning Point Mobile Android devices. With Scan2Stage, IT administrator can prepare the settings of the device and make QR code for Scan2Set.

**EmKiosk**

Kiosk application for Point Mobile devices. IT administrator can restrict the scope of the operator's system execution via EmKiosk to increase productivity and prevent distractions.

**Direct Clone**

Solution for restoring the devices to the same settings with no internet connection. With Direct Clone, a Master PDA becomes a hotspot server and sends its backup file to nearby client devices to clone the settings.

**PULS - ANDROID UPDATE & SECURITY**

PULS is 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 updates for 7 years  
PULS comes free of charge for security patches & updates  
Get the latest Android version and its newest features  
Conveniently update your devices in the field by FOTA

For further information, please visit [www.pointmobile.com](http://www.pointmobile.com) or contact your regional sales representative.

**WARRANTY**

Subject to the Terms and Conditions, PM451 carries 1 (one) year-warranty period from the date of purchase against the defective materials and manufacturing defects.

For the further inquiry, please contact: [service@pointmobile.com](mailto:service@pointmobile.com)

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