

# PM550

## RUGGED ANDROID HANDHELD POWERED FOR THE WAREHOUSE

### Align your enterprise mobility platforms with Android

Android has become the operating system of choice for rugged handheld terminals even in the warehouse. Leading this shift is PM550 with Android Nougat 7.1, including enterprise-tuned features such as the Enterprise Mobility Kit(EmKit) - a world proven, customized kit designed precisely for the enterprise mobility market. Receive quality system support that makes out of the box deployment extremely fast and painless, only for Android models.

### A new 4.3-inch display, all with more power

Run whatever tasks you need on the new 4.3-inch touch screen with maximized visibility, which feels even bigger with no virtual keypad popping up to disturb your view. Keeping the large display on is a primary removable battery of 6,300mAh that allow your workers the full capability to get the work done. We expanded the screen and gave it more power than any competing device – the combination to enhance the productivity of your workforce.

### Unshakable reliability even in the harshest conditions

We know how tough your workplaces can get for your handheld devices, and not all survive. PM550 is a heavy-duty mobile terminal with a MIL-STD -810G for 1.5 meter(5.0ft) drop resistance and has an IP65 rating, which means it is impenetrable to water and dust, can survive numerous drops as well as shock, vibration, dramatic temperatures, and more extreme conditions. Moreover, the double-molded bumper on every edge of the device along with a Gorilla Glass 3 touch screen is an added plus, making PM550 the handheld you can count on.

### Keep the momentum going with the fastest wireless connections

When you are out in the warehouse, the quality of your device's wireless connection should be the least of your worries. PM550 is one of the very few Android devices in the world that supports 802.11r with the fastest fast-secure roaming method, Cisco CCKM, to ensure seamless roaming regardless of signal channel, strength, or load. Let PM550 clear your path for business – no delay, at no cost.

### Scanning performance that focuses on what's important

The standard range 1D/2D imager reads all GS1 symbologies as well as poorly printed barcodes, and extra long imager range option is also available for scanning barcodes as far as 11 meters. As a new scanning solution, the PM550 supports Extended Wedge, a feature which enables selective modification of a decoded value. There is no need for extra costs for SW development, or the excess time set aside for the sorting and collecting of data. Save your resources immensely by merely adjusting your scanning settings to capture just the data you need.



 Qualcomm	 2GB / 16GB	 ANDROID 7.1.2	 WVGA 480X800	 DAYLIGHT READABLE	 24 KEY 51 KEY	 GORILLA GLASS	 802.11 a/b/g/n/ d/h/i/k/r/v	 FAST ROAMING
 IMAGER	 EXTENDED WEDGE	 BLUETOOTH	 6300mAh	 HOT-SWAP	 IP65	 1.5M(5ft)	 EMKIT SUPPORT	

# PM550

## PHYSICAL CHARACTERISTICS

### Dimensions

With standard batt. 204.5mm L x 79mm W x 175mm D  
8.05 in. L x 3.11 in. W x 6.88 in D

**Weight** 586g / 20.67oz

**Display** 4.3", IPS panel (480 x 800 pixel) WVGA  
Exceptionally bright  
Daylight readable (500 nits typical)

**Touch Panel** Multi-touch capacitive Corning Gorilla glass

**Power**  
Main Battery 3.63V, 6,300mAh removable  
Back-up Battery 3.7V, 60mAh (Hot-Swap)

**Keypad**  
2 Keypad options 24 Key Numeric (Shifted alpha),  
(backlit keys) 51 Key Alpha Numeric

**Standard Communications** High speed USB 2.0 type-C port

**Notification** Top-front, bottom, touch panel dual color  
LEDs for scanning and charging  
Vibrator  
Beeper

## PERFORMANCE CHARACTERISTICS

**Main-Processor**  
Qualcomm® APQ8016 1.2GHz Quad Core 64-bit CPU

**Operating System**  
Google Android 7.1.2 Nougat  
(CTS & GMS certified)

**Memory and Storage**  
RAM 2GB  
ROM 16GB

**Sensor** Accelerometer sensor

## USER ENVIRONMENT

**Operating Temperature** -20°C to 60°C / -4°F to 140°F

**Storage Temperature** -25°C to 70°C / -13°F to 158°F

**Humidity** 95% Non-condensing

**Drop** Multiple 5' / 1.5m drops to concrete over  
the operating temperature  
Multiple 6' / 1.8m drops to concrete at  
ambient temperature 73°F/23°C;  
meets and exceeds MIL-STD-810G

**Rain / Dust Proof (Sealing)** IP65

**Tumble** 500 cycles (1,000hits) at 1m / 3.3 ft

**Electrostatic Discharge** ±15 kV air discharge  
±8 kV contact discharge

## DATA CAPTURE

### Integrated Barcode Reader

2D Mid-range scanner Reads up to 81.9 cm (20 mil C39)

1D Extra-long range Imager Reads up to 13 meters (100 mil Code 128)

2D Extra-long range Imager Reads up to 11 meters (100 mil Data Matrix)

\*Follows the specifications of the scanner manufacturer.

Extended Wedge Edit your decode value

## WIRELESS

### Wireless LAN

Radio IEEE 802.11 a/b/g/n/d/h/i/k/r/v, IPv4,  
IPv6, 1X1 SISO

Data Rates IEEE 802.11a/n: Up to 150 Mbps  
IEEE 802.11b/g/n: Up to 72.2 Mbps

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

Channel Bandwidth 20, 40 MHz

Security and Encryption WEP(40 or 104bit)  
WPA/WPA2 Personal(TKIP, AES);  
WPA/WPA2 Enterprise(TKIP/AES) -  
PEAP(MSCHAPv2, GTC),  
TLS, TTLS(PAP, MSCHAP, MSCHAPv2,  
GTC), PWD, SIM, AKA, AKA',  
LEAP, Supports FAST(MSCHAPv2, GTC)

Fast Roam PMKID Caching, Cisco CCKM, 802.11r

### Wireless PAN

Bluetooth Integrated Bluetooth Class I, Ver. 4.1  
Channels 0 to 78 (2402-2480MHz)  
Data Rates 1, 2, 3Mbps

## REGULATORY APPROVALS AND COMPLIANCE

CB, CE, FCC, IC, TELEC, IFETEL, CCC, SRRC, RCM, WPC, BIS, CU,  
FAC, TRC, TRA, CITC, KC, RoHS

## ENTERPRISE SOLUTION

SOTI, Airwatch, Teamviewer



**Power Launcher** Kiosk mode with system restriction  
Allows admin to restrict operator's  
access to system settings, MTP  
connection and screen capture

**Direct Clone** Master PDA becomes a local server for  
a nearby Point Mobile device to  
automatically communicate and  
download/restore backup files

**Scan2Set** Unique two-step feature for Point  
Mobile Android models that enables the  
fastest device deployment right out of  
the box

## WARRANTY

Subject to the Terms and Conditions, PM550 carries 1 (one) year-warranty period from the date of purchase against the defective materials and manufacturing defects. Point Special and Premium Care service is recommended.

For the further inquiry, please contact:  
service@pointmobile.co.kr

## ACCESSORIES

### Standard Accessories



### Optional Accessories

