

# PM66

## MULTI-PURPOSE ENTERPRISE RUGGED MOBILE COMPUTER

### Powerful Snapdragon will empower your work

Qualcomm's Snapdragon MSM8916 processor is a market-proven AP(Application Processor) which has Quad-Core with up to 1.2GHz clock speed. It is truly SoC(System on a Chip) having 4G LTE, Wireless LAN, Bluetooth, S-GPS and Camera bus interface.

### Google Android 6.0.1 Marshmallow is the heart of system

PM66 runs on Google's latest Android 6.0.1 Marshmallow OS and it is certified by Google Mobile Services (GMS) to support all Google official API including Google Play and Google Maps.

### Physical backlit numeric keys towards field-work-forces

More and more field-workers requires smartphone-like features in the field, but fast & accurate input is still very critical for productivity. Users prefer physical keys instead of a touch-based virtual keypad on screen. Along with a keypad below a 4.3 inch screen, PM66 is still light, slim, and has a relatively small form factor against conventional brick-style mobile computers. Each key is wide and big enough for firm, fast and accurate data input. LED back-lit keypad makes working easy in any dimly lit areas.

### Fully-rugged and versatile for outfield & warehouse/logistic applications

PM66 is slim and light in design but still fully-rugged with IP67 water/dust proof and 1.5m multi-drop resistant on concrete. PM66 has various configurations, such as full 4G/LTE version for outfield and a Wi-Fi-only version for warehouse/logistic applications. For Wi-Fi-only models, the device can be docked with a gun-shaped scan-trigger handle optimized for scan-intensive applications in warehouses.



### Industries

- Retail
- Field Services
- Public Sector
- Transport & Logistics
- Hospitality

### Accessories

- | Standard              | Optional                           |
|-----------------------|------------------------------------|
| AC/DC Power Adaptor   | USB Sync Cable                     |
| Country Plug          | Single Slot Cradle (opt. Ethernet) |
| Standard Battery      | 4 Slot Battery Charger             |
| Stylus Pen and Tether | 4 Slot Cradle                      |
| Handstrap             | Gun Handle                         |
| LCD Protection Film   |                                    |



## PERFORMANCE CHARACTERISTICS

### Main-Processor

Qualcomm MSM8916 @ 1.2GHz Quad-core

### Operating System

Google Android 6.0.1 Marshmallow  
(CTS & GMS certified) FOTA (Firmware Over The Air) update is available via MS Azure™ Cloud

### Memory and Storage

RAM 2GB  
ROM (NAND Flash) 16GB  
Micro-SD Micro-SD card slot supports up to 32GB SDHC

### Sensor

Proximity sensor  
Light ambient sensor  
Acceleration sensor  
Gyro and Digital compass

## PHYSICAL CHARACTERISTICS

### Dimensions

With standard batt. 166.01mm L x 76.83mm W x 29.27mm D  
6.53 in. L x 3.02 in. W x 1.15 in D

### Weight

With standard batt. 300g / 10.58oz

### 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  
Wet touch  
Glove touch

### Power

3.85V, 4,100mAh Li-ion rechargeable  
UN38.3 certificate, UL2054/UL1642,  
IEC62133 KC/PSE  
Supports micro USB charging

### Keypad

Numeric keypad (24 Keys) with backlight

### Audio Support

Support VoIP  
Two built-in microphones (Noise-cancelling)  
Speaker  
Receiver and headset jack (3.5mm)  
Wireless Bluetooth headset support

### Standard Communications

High speed USB 2.0 from cradle  
and Micro-USB port

### Notification

Front 2 x dual color LEDs for Power indication,  
Warning indication & Scan reading  
Scan Alert Vibration, beep

## GLOBAL POSITIONING SYSTEM

### GPS

Integrated GPS, GLONASS and BeiDou.  
Simultaneous-GNSS and Standalone-GNSS without WAN

## WIRELESS

### Wireless WAN

EDGE/GPRS/GSM 900/1800  
3G HSPA B1/2/5/6/8/19  
4G LTE (B1,2,3,5,7,8,17,20,40,41)  
3G UMTS/HSDPA/HSUPA/HSPA/  
HSPA+(B1/2/5/6/8/19)  
2G GSM/GPRS/EDGE (900/1800 MHz)

### Wireless LAN

Radio IEEE 802.11a/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, 80MHz

### Regulatory Compliance

As per IEEE 802.11n

### 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', FAST(MSCHAPv2, GTC), LEAP

### Fast Roam

PMKID Caching: Cisco CCKM, 802.11r

### Wireless PAN

Integrated Bluetooth Class I, Ver. 4.1

## DATA CAPTURE

### Camera

Rear 13MP AF with LED flash

### Integrated Barcode Reader

1D Laser Scanner All 1D standard symbology & postal code  
2D Imager Scanner All 1D/2D standard symbology  
including GS1 databar

### NFC (Near Field Communication)

ISO14443A, ISO14443B & ISO15693  
are supportive, 13.56MHz HF  
\*Supported TAG-ICs:  
MIFARE® 1k, MIFARE 4k, MIFARE Plus,  
MIFARE UltraLight, MIFARE UltraLight C,  
MIFARE DESFire, MIFARE DESFire EV1,  
ISO 14443A/B tags

## 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 1.5m(5 ft) drops to steel over  
the operating temperature

### Water / Dust Proof (Sealing)

IP67

### Tumble

500 cycles (1,000 hits) at 1 m / 3.3ft  
per IEC 60068-2-32

### Electrostatic Discharge

±15 kV air discharge  
±8 kV contact discharge

## REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CB, CEC, CU, FAC, FCC, IC, PTCRB, KC, RCM, WPC, BIS  
Environmental: RoHS II, WEEE compliant

## ENTERPRISE SOLUTION

SOTI, Airwatch, Teamviewer



### EmKit

#### 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