

# PM66

## MULTI-PURPOSE ENTERPRISE RUGGED MOBILE COMPUTER

### Powerful Qualcomm 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 Operating System and it is certified by Google Mobile Services (GMS) to support all Google official API including Google Play and Google Maps.

### Wider & Brighter IPS display provides better visibility

PM66 adopts 4.3" IPS panel TFT-LCD with capacitive touch screen and it supports wide-viewing angle and daylight readability in order to maximize the best performance in the out-field. To support harsh environment, top of screen is protected Corning Gorilla Glass 3 tempered glass.

### Physical Numeric keys with keypad back-light towards field-work-forces

More and more field-workers requires smartphone-like features in the field, but still fast & accurate input is very critical in terms of productivity, users prefer physical keys instead of touch-based virtual keypad on the screen. Along with keypad at the bottom of 4.3inch screen, PM66 is still light, slim, relatively small form factor against conventional 'brick-style' mobile computers. Each key is wide and big enough for users to input data firmly, fast and accurately. LED back-lit keypad powers ease to work at night and dimmed-light area anywhere.



### Powerful Wireless; 4G LTE & IEEE 802.11 a/b/g/n/d/h/i/r and Bluetooth 4.1 LE

As of Enterprise mobility purposes, PM66 is completely tuned for Enterprise work-forces; smooth hand-over between WWAN and WLAN each other, seamless roaming among many routers & access points in the harsh working environment, because Enterprise users prior seamless connectivity to speed. PM66's 4G LTE category 4 is truly designed for covering all worldwide including United States and Europe. Newest Bluetooth Low Energy supports dramatic low power consumption and 3x faster speed than previous Bluetooth version, which specification is getting more critical at location-based solutions like Beacon.

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

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



# Technical Specifications

## Physical Characteristics

Dimensions with battery:  
76.83 mm x 166.01 mm x 29.27 mm  
(3.02 x 6.53 x 1.15 inch)  
Weight: 300g (10.58oz) with battery

## Environmental

Operating: -20°C to 60°C (-4°F to 140°F)  
Storage: -25°C to 70°C (-13°F to 158°F)  
Relative Humidity: Non-condensing, 95%  
Rain & Dust Proof: IP67  
Drop: Multipul 1.5m(5 ft) drops to steel over  
operating temperature  
Tumble: 500 cycles (1,000hits) @  
1.0 meter (3.3'ft) per IEC 60068-2-32  
Electrostatic Discharge:  
+/- 15 kV air discharge +/- 8 kV contact discharge

## Power

Battery : Li-Ion, 3.85V 4,100mAh,  
Rechargeable, UN38.3 certificate,  
UL2054/UL1642, IEC62133 KC/PSE  
Supports micro USB charging

## Operating System

Google Android 6.0.1 Marshmallow  
(CTS & GMS certified)

## Micro-Processor

Qualcomm MSM8916 @ 1.2GHz Quad-core

## Memory and Storage

Memory: 2GB RAM  
ROM: 16GB NAND Flash  
User-accessible micro-SD cards up to 32GB SDHC

## Display

4.3 in. IPS panel WVGA (480 x 800 pixel),  
exceptionally bright, outdoor viewable,  
optically bonded to touch

## Touch Panel

Multi-touch capacitive touch panel,  
optically bonded with Corning Gorilla glass for  
strong and rugged durability. Works even when  
wet and with many offthe-shelf gloves.

## Standard Communications

High speed USB 2.0 from cradle and Micro-USB port

## Camera

13MP(Rear) autofocus with LED flash

## Keypad Options

Numeric keypad (24 Keys) with backlight

## Sensors

Proximity sensor, Light ambient sensor,  
Acceleration sensor, Gyro and Digital compass

## Wireless WAN

EDGE/GPRS/GSM:900/1800  
3G HSPA : B1/2/5/6/8/19  
4G : LTE (1,2,3,5,7,8,17,20,40,41)  
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.  
IEEE 802.11a/n Data Rates: Up to 150 Mbps;  
IEEE 802.11b/g/n Data Rates: 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', FAST(MSCHAPv2, GTC), LEAP  
Fast Roam : PMKID Caching : Cisco CCKM, 802.11r

## Wireless PAN

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

## Global Positioning System

12 channel integrated GPS:  
Assisted via WAN carrier, support GLONASS

## 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

## Integrated Barcode Scanner

1D Laser Scanner: Supprting all 1D standard  
symbology & postal code  
2D Imager Scanner: Supporting all 1D/2D  
standard symbology including GS1 databar

## LED Indicator & Scan Alert

Indicator: 2 x dual color LEDs on front.  
1) Power indications, 2) Warning indications,  
3) Scan reading  
Scan Alert: Vibration, beep

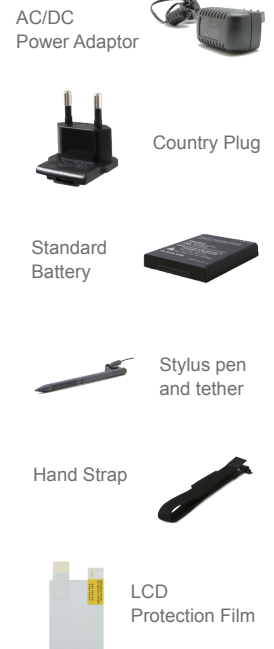
## Audio Support

Support VoIP, built-in two microphone (Noise-cancelling),  
speaker, receiver and headset jack (3.5mm),  
wireless Bluetooth headset support

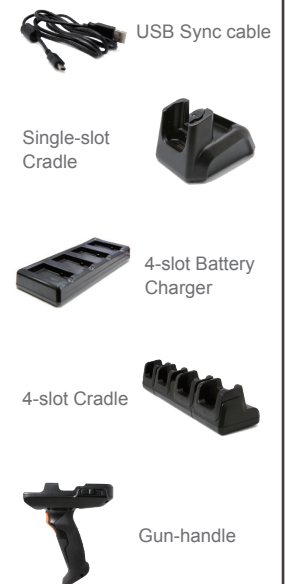
## Accessories

Standard Accessories: AC/DC power adaptor &  
country plug, Standard battery, Stylus pen and tether,  
Hand Strap, LCD protection film  
Optional Accessories: USB sync cable, Single-slot cradle,  
4-slot battery charger, 4-slot cradle, Gun-handle

## Standard accessories



## Optional accessories



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