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/k/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.
**PM66**

**PHYSICAL CHARACTERISTICS**

- **Dimensions**
  - With standard batt.: 166.01mm L x 76.89mm 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, 3.85V, 4,100mAh Li-ion rechargeable
  - Supports micro USB charging

- **Touch Panel**
  - Multi-touch capacitive Corning Gorilla glass
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- **Audio Support**
  - Supports VoIP
  - Two built-in microphones (Noise-cancelling)
  - Supports micro USB charging

- **Standard Communications**
  - High speed USB 2.0 from cradle

- **Notification**
  - 2 x dual color LEDs for Power indication, Warning indication & Scan reading

- **Keypad**
  - Numeric keypad (24 Keys) with backlight

- **Audio Support**
  - Support VoIP
  - Two built-in microphones (Noise-cancelling)
  - Receiver and headset jack (3.5mm)

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**PERFORMANCE CHARACTERISTICS**

- **Main-Processor**
  - Qualcomm MSM8916 @ 1.2GHz Quad-core

- **Operating System**
  - Google Android (CTS & GSM certified)
  - FOTA (Firmware Over The Air) update is available via MS Azure™ Cloud

- **Memory and Storage**
  - 2GB RAM
  - 16GB ROM (Micro-SD)

- **Sensor**
  - Proximity sensor
  - Light ambient sensor
  - Acceleration sensor
  - Gyro and Digital compass

**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

**WIRELESS**

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

- **Wireless LAN**
  - Radio: IEEE 802.11a/b/g/n/6/11/5/4/6, IPv4, IPv6, 1X1 SISO
  - Data Rates: IEEE 802.11a: Up to 150 Mbps, IEEE 802.11b/g/n: Up to 72.2 Mbps
  - Operating Channels: 20, 40, 80MHz
  - Channel Bandwidth: 20, 40, 80MHz
  - Regulatory Compliance: As per IEEE 802.11n

- **Security and Encryption**
  - WEP (40 or 104bit)
  - WPA2/PA2 Personal(Tkip, AES)
  - WPA3/PA3 Enterprise(TKIP/AES), PEAP/MSCHAPv2, EAP-TLS, TTLS/PEAP, MSCHAPv2/GTC, GTC, PWD, SIM, AKA, AKA’, FAST/MSCHAPv2, GTC, LEAP

- **Fast Roam**
  - PM66 Caching: Cisco CCKM, 802.11n

**GLOBAL POSITIONING SYSTEM**

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

**REGULATORY APPROVALS AND COMPLIANCE**

- **Certified CE, CB, CEC, CUL, FCC, IC, PTCRB, KC, RCM, WPC, BIS Environmental- RoHS II, WEEE compliant**

**ENTERPRISE SOLUTION**

- **SOTI, Airwatch, Teamviewer**
  - Power Launcher
  - Direct Clone
  - Scan2Set

**ACCESSORIES**

- **Standard Accessories**
  - AC/DC Power Adaptor
  - Standard Battery
  - Stylus Pen and Tether
  - LCD Protection Film

- **Optional Accessories**
  - Single-Slot Cradle
  - Single-Slot Ethernet Cradle
  - 4-Slot Battery Charger
  - Gun-Handle