

# PM70

## POCKET-SIZED ENTERPRISE RUGGED SMARTPHONE

### 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

PM70 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

PM70 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 outfield. To support harsh environment, top of screen is protected Corning Gorilla Glass 3 tempered glass.

### Frequently-using Android "HARD" keys towards field-work-forces

Most of Enterprise rugged phones in the market adopt a touch-based key button, even for Recent App, Home, Back button. Not every user wearing gloves prefers to use a stylus pen in the field, PM70 comes with "hard" laser-cut keys – to ease to press it firmly.

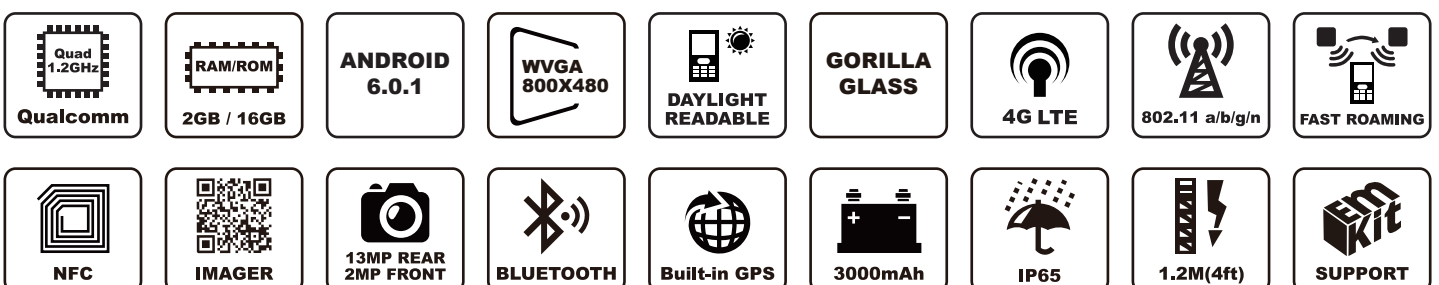


### Powerful Wireless; 4G LTE & IEEE 802.11 a/b/g/n/d/h/i/r and Bluetooth 4.1 LE

As of Enterprise mobility purposes, PM70 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. PM70'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.

### Compact pocket-sized but yet still rugged design

PM70 is designed not only for Line-of-Business workers but also white-color businessmen, therefore, compact-sized but adopts latest 1D/2D barcode scanners and replaceable & hot-swap supporting 3,000mAh battery. To be survived and to be used for long time in outfield, PM70 is sealed completely to be submerged for 30minutes at 1meter-depth water, and is shock-proof with Gorilla Glass 3 and 1.2m(4ft) multiple drop-resistant.



# PM70

## PHYSICAL CHARACTERISTICS

### Dimensions

With standard batt. 136 mm L x 70mm W x 17.4mm D  
5.35 in. L x 2.76 in. W x 0.69 in D

### Weight

With standard batt. 213g (7.5oz)

### Display

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

### Touch Panel

Multi-touch capacitive  
Optically bonded with Corning Gorilla  
glass® for strong and rugged durability  
Wet touch  
Glove touch

### Power

3.8V, 3,000mAh Li-ion rechargeable  
UN38.3 certificate, UL2054/UL1642,  
IEC62133 KC/PSE  
Supports micro USB charging

### Wireless Charging

Wireless charging pad (Optional)  
Complying with WPC standard Qi  
Using inductive charging technology

### Keypad

3 hard keys (Recent, Home & Back)

### 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 indications,  
Warning indications & Scan reading  
Scan Alert Vibration, Beep

## PERFORMANCE CHARACTERISTICS

### Main-Processor

Qualcomm MSM8916 @ 1.2GHz Quad-core

### Operating System

Google Android 6.0.1 Marshmallow  
(CTS & GMS certified)

### Memory and Storage

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

### 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

Drop Multiple 1.2m(4 ft) drops to steel  
at room temperature

Rain / Dust Proof IP65  
(Sealing)

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

## DATA CAPTURE

### Integrated Barcode Reader

2D Imager scanner All 1D/2D standard symbology  
including GS1 databar

### Camera

Rear 13MP AF with LED flash  
Front 2.0MP fixed focus

### 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,

## GLOBAL POSITIONING SYSTEM

### GPS

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

## WIRELESS

### Wireless WAN

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/v/l/r/t/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', FAST(MSCHAPv2, GTC), LEAP  
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

## ENTERPRISE SOLUTION

SOTI, Airwatch, Teamviewer



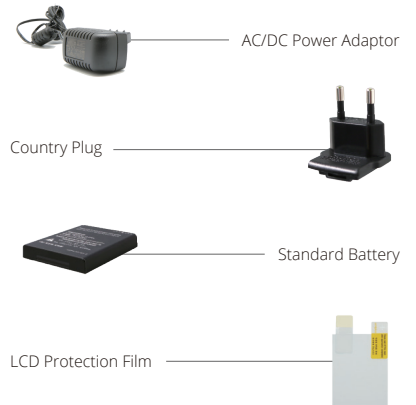
**Power Launcher** Kiosk mode with system restriction  
Allows admin to restrict operator's  
access to system settings, MTP  
connection and screen capture

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

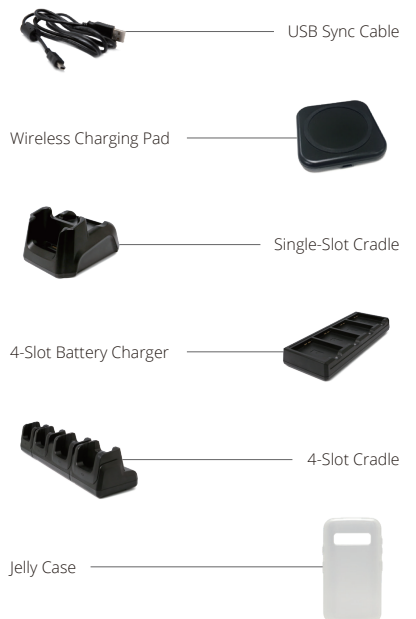
**Scan2Set** Unique two-step feature for Point  
Mobile Android models that enables the  
fastest device deployment right out of  
the box

## ACCESSORIES

### Standard Accessories



### Optional Accessories



B-9F Kabul Great Valley, 32, Digital-Ro 9 Gil, Geumcheon-Gu, Seoul, Korea 08512  
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