

# / DELFI PM80

## SMART BEYOND RUGGED ENTERPRISE MOBILITY

### POWERFUL QUALCOMM SNAPDRAGON WILL FREE YOUR WORK

Qualcomm's Snapdragon MSM8916 processor is a market-proven AP(Application Processor) which has Quad-Core with 1.4GHz clock speed. It is truly SoC(System on a Chip) having 4G LTE, Wireless LAN, Bluetooth, S-GPS and Camera bus interface.

### MULTIPLE OS SUPPORT WITH GOOGLE AND MICROSOFT

PM80 is supported by two major operating systems, including Android 5.0 Lollipop (6.0 Marshmallow) and Windows 10 IoT Enterprise Mobile. With a certification of Google Mobile Services (GMS), PM80 supports all Google official API including Google Play. You can choose the preferred operating system when you purchase our product.

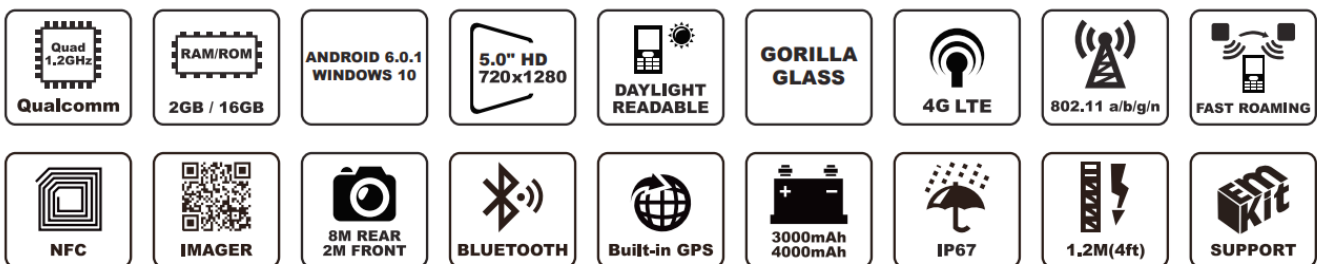
### WIDER & BRIGHTER IPS DISPLAY PROVIDES BETTER VISIBILITY

PM80 adopts 5.0" 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 for maximum durability.



### POWERFUL WIRELESS; 4G LTE & IEEE 802.11 A/B/G/N AND VERSATILE DATA-INPUT FUNCTIONS; 1D/2D, NFC & MSR

As of Enterprise mobility purposes, PM80 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. Also, to provide various data input functions up on various customers' need, PM80 is built-in with latest 1D/2D imaging barcode scanner, NFC HF RFID 13.56MHz & encrypted 3-track Magnetic Stripe Reader. Especially, MSR is an optional feature and it is free from any possible counterfeit and unauthorized data access thanks to Point Mobile's data encryption technology. PM80 is truly hybrid because shape & design is following commercial smartphones but features are truly towards Enterprise users.



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## SMART BEYOND RUGGED ENTERPRISE MOBILITY

### TECHNICAL DATA:

#### PHYSICAL CHARACTERISTICS

Dimensions:

156 x 82 x 21mm / 6.1x3.2x0.8 in (Without MSR)

156 x 82 x 22mm / 6.1x3.2x0.9 in (With MSR)

Weight: 279g / 9.8oz(Without MSR),

293g / 10oz(With MSR) including 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: 1.5m (5 ft) per MIL-STD 810G

at all operating temperature

Tumble: 500cycle (1000hit) @ 1m (3.3ft)

ESD: 15 kV air, 8 kV contact

#### POWER

Standard Battery: 3,000mAh Li-ion rechargeable

Extended Battery: 4,000mAh Li-ion rechargeable

#### OPERATING SYSTEM

Google Android 5.0 Lollipop / 6.0 Marshmallow

(CTS & GMS is certified)

Windows 10 IoT Enterprise Mobile

#### MICRO-PROCESSOR

Qualcomm MSM8916 1.4GHz Quad-core

#### MEMORY AND STORAGE

RAM: 1GB / 2GB

ROM: 8GB / 16GB

NAND Flash User-accessible

micro-SD cards up to 32GB SDHC

#### DISPLAY

5.0 in, IPS panel, 720 x 1280 pixel (HD)

Corning Gorilla Glass 3, Daylight readable,

Wideviewing angle, Capacitive touch, Anti-raindrop

#### STANDARD COMMUNICATIONS

Full speed USB 2.0 from either cradle or

USB direct sync cable

#### CAMERA

8.0MP(Rear) with LED flash and 2.0MP(Front)

#### KEYPAD OPTIONS

4 physical keys (Recent Apps, Home, Back & Programmable)

#### SENSORS

Gyroscope, Accelerometer, Light Sensor & Proximity Sensor.

#### WIRELESS WAN

EDGE/GPRS/GSM:850/900/1800/1900

WCDMA: 850/900/1900/1700/2100 MHz

LTE: FDD2, FDD3, FDD4, FDD5, FDD13, FDD17

#### WIRELESS LAN

IEEE 802.11 a/b/g/n Data rates: up to 150 Mbps

Operating channels: 1 to 13 (2.4Ghz & 5Ghz), 36 to 165(5GHz), CCX v4

Regulatory compliance: As per IEEE 802.11n

Security: WEP / WPA / WPA2 and more

Authentication: PEAP/MS-CHAPv2, EAP-TLS

#### WIRELESS PAN

Integrated Bluetooth Class II, Ver.4.0

LE operating: 0 to 78 (2402-2480 Mhz)

Data Rates: 1, 2, 3 Mbps

#### GLOBAL POSITIONING SYSTEM

12 channel integrated GPS: assisted via WAN carrier:

accuracy within 3m, Stand-alone GPS available

support GLONASS

#### NFC (NEAR FIELD COMMUNICATION)

P2P NFC with 1 SAM slot (13.56Mhz HF RFID)

Supported Tag-Ics : MIFARE® 1k/4k/Plus,

MIFARE UltraLight, MIFARE UltraLight C,

MIFARE DESFire, MIFARE DESFire EV1,

ISO 14443 A & B

#### MAGNETIC STRIPE READER (OPTIONAL)

3 track MSR with water proof sealed.

ANSI / ISO7813 standard, Encrypted.

#### INTEGRATED BARCODE READER

1D/2D Imager : supporting all 1D/2D standard

Symbology including GS1 Databar

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### LED INDICATOR AND SCAN ALERT

Indicator: 2 x dual color LEDs on front:

1) Power, 2)Warning, 3)Scan reading

Scan Alert: Vibration

### AUDIO SUPPORT

Supports VoIP, Built-in two microphone (Noisecancelling), speaker, receiver and headset jack (3.5mm), Wireless Bluetooth headset support

### ACCESSORIES

Standard accessories: AC/DC power adaptor & country plug, Stylus pen & tether, Wrist Landyard, Battery, LCD protection film

Optional accessories: Single-slot cradle, 4-slot Cradle, Extended battery, 4-slot Battery Charger,

I/O sync USB Cable, Vehicle mount charging Cradle, Cigar jack charger

### REGULATORY APPROVALS AND COMPLIANCE

Certified CE & GCF, FCC & PTCRB, IC, ANATEL, CCC & SRRC & NAL, KC, TELEC & JATE, CB, RCM  
Environmental: RoHS II & WEEE compliant

#### Standard accessories



#### Optional accessories

