

/ DELFI PM86

STAY ON TRACK WITH THE ALL-PURPOSE MOBILE COMPUTER

POWERFUL ANDROID PLATFORM

While using Android as an operating system for rugged handheld terminals has become the industry's standard, security patches and major updates are more important than ever. Our Delfi PM86 will be receiving updates and support up to Android 11, reducing the total cost of ownership dramatically. Stay up-to-date with the most convenient way of installing security patches or operating system versions by using our FOTA application (Firmware Over The Air).

READY FOR ANY RUGGED TASK

Qualcomm Snapdragon Octa-core processor runs at 1.8GHz for maximum computing. Memory options are available up to 4GB RAM and 64GB RAM, so there is plenty of space for programs, apps and personal data. It has an IP67 rating and is 1.8m drop proof to concrete (MIL-STD 810G), even the 5" IPS panel is equipped with a capacitive Corning Gorilla glass which is shatter proof and scratch resistant.

BRAND NEW SCANNER BRINGS ENHANCED PERFORMANCE

The new high-resolution scanner enhances reading performance, reading down to 3 mils resolution 1D barcodes with white LED illumination, which provides better readability of coloured barcodes and better imager capture results. It also supports OCR and EasyParse optional functions for driving licenses, boarding passes, and automotive part parsing for applications beyond barcodes. Lower power consumption helps increase the battery life for continuous workflow.

FULLY EQUIPPED FOR RELIABILITY

Stay in touch with your workers and customers with integrated LTE modem and Wifi support or use the PTT function, including dual speakers with 3W maximum output. Delfi PM86 supports band 28, the public protection and disaster recovery (PPDR) network frequency. To provide full power for a long working day, we added the 20 Slot Battery Cradle as an option for ready-to-go devices across a variety of applications.



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TECHNICAL DATA:

PHYSICAL CHARACTERISTICS:

DIMENSIONS

STD batt. 157.6mm L x 78mm W x 19.85mm D

EXT batt. 157.6mm L x 78mm W x 23.26mm D

WEIGHT

TBD

DISPLAY

5.0", IPS panel (1080 x 1920 pixel) FHD

LED backlight

Daylight readable (500 nits typical)

Multi-touch capacitive

Corning Gorilla glass

POWER

STD 4,000mAh Li-ion rechargeable

EXT 5,800mAh Li-ion rechargeable

KEYPAD

Right Volume, Scan

Left Power, Scan

VOICE AND AUDIO

Two built-in microphones (Noise-cancelling)

Dual speakers on front side (output max 100dB)

Receiver and headset jack (3.5mm)

Bluetooth headset support

PTT support

STANDARD COMMUNICATIONS

High speed USB 3.0 Type C

NOTIFICATION

2x dual LEDs for power and warning indication, vibration, beep

PERFORMANCE CHARACTERISTICS:

MAIN-PROCESSOR

Qualcomm @ 2.0GHz Octa-core

OPERATING SYSTEM

Google Android

(CTS & GMS is certified)

Android 11 (upgradeable)

FOTA (Firmware Over The Air)
update available

MEMORY AND STORAGE

RAM / ROM

microSD

4GB / 64GB (UFS)

Supports up to 512GB using Ex-
FAT file system

SIM

SAM

2 nano SIM slot

2 micro SAM slots

SENSOR

Proximity sensor, Light ambient sensor,
Accelerometer, Gyro sensor, Digital
compass, SAR sensor

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

1.8m (6ft) multiple drops to concrete,
at room temp, based on MIL-STD 810H

1.5m (5ft) multiple drops to concrete,
across operating temperature range,
based on MIL-STD 810H

WATER / DUST PROOF

IP67

NEED SOFTWARE FOR YOUR DEVICE? TRY DELFI X CLOUD

Delfi X Cloud is a cloud-based barcode solution for Android devices. The software offers a subscription model with a fixed monthly price without surprises. With Delfi X Cloud, you get a mobile tool to register processes, create traceability and streamline business processes in the warehouse, store or on the go.

All together you can save both time and money by eliminating manual paper-based processes with a digital barcode solution. With Delfi X Cloud, you can create an overview of the entire logistics and warehouse flow in the company.

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TUMBLE

500 cycle (1,000hits) at 1m / 3.3ft

ELECTROSTATIC DISCHARGE

±15 kV air discharge
±8 kV contact discharge

DATA CAPTURE:

NFC (NEAR FIELD COMMUNICATION)

NFC-Forum Reader For NFC Forum (Tag Types 1 To 5), P2P Active (106 To 424 kbps) Initiator and Target, P2P Passive (106 To 424 kbps) Initiator and Target

Reader (PCD – VCD) ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC 15693, Mifare Classic 1K/4K, Mifare DESFire, Mifare UltraLight®, Sony FeliCa

CAMERA

Rear 13MP with LED flash
Front 5MP (optional)

INTEGRATED BARCODE READER

Honeywell N660x/3601 Slim Imager Engine (1D/2D barcode symbologies)

GLOBAL POSITIONING SYSTEM:

GPS

WiFi SKU : No GPS
Phone SKU : Qualcomm GPS
GNSS Receiver Support for GPS, GLONASS, Galileo and Beidou

WIRELESS:

WIRELESS WAN

EDGE/GPRS/GSM 900/1800/850/1900
WCDMA B1/2/4/5/6/8/19
LTE FDD B1/2/3/4/5/7/8/12/13/17/19/20/25/26/28/66
LTE TDD B38/B39/B40/41

WIRELESS LAN

Radio IEEE 802.11a/b/g/n/ac/ax/d/h/i/k/r/v,
Data Rates 5GHz: 802.11a/n/ac: Up to 433 Mbps;
IEEE 802.11a/b/g/n: Up to 150 Mbps
Operating Channels 1 to 13 (2412~2472MHz),
Channel 36 to 165 (5180~5825MHz)
Bandwidth 20, 40, 80 MHz
Security and Encryption WEP / WPA / WPA2 / WEP, RC4
Algorithm / TKIP, RC4 Algorithm /
AES, Rijndael Algorithm EAP-FAST
/ EAP-TLS / EAP TTLS / PEAP-GTC
/ PEAP-MSCHAPv2 / PEAP-TLS /
LEAP / CCX v4 supported
Fast Roam CCKM, 802.11r

WIRELESS PAN

Bluetooth Integrated Bluetooth Class I, Ver. 5.0

REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CEC, FCC, IC, PTCRB, KC, RCM, cUL, OTA, CTIA Environmental: RoHS III & WEEE compliant

Standard accessories



Optional accessories

