# PD450

**Intelligent Handheld Device**

![Image of PD450]

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## Features
- 4G LTE WorldMode
- 4.5" TFT LCD with human factors engineering
- Ready-to-go modules and accessories with compatibility
- Powered by MediaTek with technical support

## System
- **CPU**: MT6735 ARM Cortex-A53 1.3GHz
- **OS**: Android 7.0
- **RAM**: 2GB LP DDR3
- **Storage**: 16GB eMMC

## LCD Display
- **Display - Front**: 4.5" TFT LCD
- **Resolution**: 960(H) x 540(W)
- **Brightness (cd/m²)**: 400 cd/m²
- **Touch Screen**: 5 points capacitive touch (PCT)

## Peripherals and Devices
### Camera
- Front: 4MFF
- Rear: 9M(AF), Flash support

### Sensor
- Accelerometer (G-sensor)
- Gyroscope
- Proximity sensor
- Ambient light sensor

### Barcode Scanner
- PD450: 1D/2D barcode engine (N3680), either with physical trigger button
- PD450C: Code 2D barcode engine (CR8222), Support barcode reader, with DPM function

### Audio & Vibrator
- Speaker (1.5W), Microphone (De-noising)
- 3.5mm stereo headphone / microphone combo jack
- Vibrator

## Wireless
- **WLAN**: IEEE802.11 a/b/g/n
- **Bluetooth**: Bluetooth 4.1 (BLE, HS compliant)
- **WWAN**
  - 2G GSM/GPRS/EDGE (Band 850/900/1800/1900; 30dBm)
  - 3G WCDMA (Band 1,2,5,8)
  - 3G CDMA2000 (BC0)
  - 4G FDD+TDD (Band 1,3,5,7,8,20,38,39,40,41)
  - 4G DRX (Band 1,3,5,7,8,20,38,39,40,41)
- **GPS**: A-GPS/GPS/Beidou
- **NFC**: MT6605EN

## Power Supply
- **Battery Capacity**: 4000mAh
- **Adaptor input**: AC 100~240V 50~60Hz
- **Adaptor Output**: 5V/2A (10W)
- **Quick Charge**: Fully charged in 2hrs

## Mechanical & Environmental
- **Sealing level rate**: IP67
- **Drop Specification**: 1.2m
- **Operating Temperature**: -10°C ~ 50°C
- **Storage Temperature**: -20°C ~ 60°C
- **Operating Humidity**: 5% ~ 95% RH
- **Dimension**: 147 x 71 x 22.3 (mm)
- **Gross Weight**: 285g (with battery)

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*All specifications are subject to change without notice. Last update: 29/3/2021*
### Dimensions

![Dimensions Diagram]

### Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7404500003000M</td>
<td>PD450 Intelligent Handheld Device with Honeywell N3680 barcode engine</td>
</tr>
<tr>
<td>7404500301001M</td>
<td>PD450C Intelligent Handheld Device with Code CR8222 barcode engine</td>
</tr>
</tbody>
</table>

### Packing Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Item</th>
<th>Description</th>
<th>Q'ty</th>
</tr>
</thead>
<tbody>
<tr>
<td>5690004500050P</td>
<td>PD450 Battery</td>
<td>4000mAh, 66.5x54x11mm</td>
<td>1</td>
</tr>
<tr>
<td>3432122000840M</td>
<td>PD450 USB am to micro USB bm cable</td>
<td>1.2 m</td>
<td>1</td>
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</table>

### Optional Accessories

<table>
<thead>
<tr>
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<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5490155050010M</td>
<td>Device Power Adapter</td>
<td>5V/2A</td>
</tr>
<tr>
<td>7404500201001M</td>
<td>RFU-30 UHF Reader for PD450</td>
<td>UHF RFID Reader for PD450 of 25 dBm / Short Range</td>
</tr>
<tr>
<td>7404500201011M</td>
<td>Adapter for UHF reader</td>
<td>UHF RFID Reader for PD450 of 27 dBm / Middle Range</td>
</tr>
<tr>
<td>5490120000030M</td>
<td>Adapter for UHF reader</td>
<td>Input : 100~240v, 50/60 Hz 0.8A Max Output : 5V/2A</td>
</tr>
<tr>
<td>4130003260100M</td>
<td>Hand Strap</td>
<td>269(L) * 11(W) mm</td>
</tr>
</tbody>
</table>

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