



PD450

Intelligent Handheld Device



MEDIA TEK

System

| | |
|---------|------------------------------|
| CPU | MT6735 ARM Cortex-A53 1.3GHz |
| OS | Android 5.1 |
| RAM | 2GB LP DDR3 |
| Storage | 16GB eMMC |

LCD Display

| | |
|--------------------|---------------------------------|
| Display - Front | 4.5" TFT LCD, qHD(960*540) |
| Brightness (cd/m2) | 400 cd/mw |
| Touch Screen | 5 points capacitive touch (PCT) |

Peripherals and Devices

| | |
|------------------|--|
| Camera | Front : 2MFF Rear: 13M(AF) , Flash support |
| Sensor | Magnetometer(M-Sensor/E-Compass) Accelerometer(G-sensor) Gyroscope Proximity sensor Ambient light sensor |
| Barcode Scanner | Honeywell & MOTO 1D/2D MINDEO 1D/2D HW/SW decoder |
| 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 Accuracy1~3m |
| NFC | MT6605EN |

I/O Interface

| | |
|----------|---|
| USB | 1 x micro USB 2.0 port High Speed / OTG Compatible(need plug) |
| SD Slot | 1 x microSD card slot(support up to 32G) |
| SIM card | 1 x micro-SIM(3FF) socket supporting 2G/3G/LTE 1 x USIM or 1 x SAM |

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

Button & Indicator

| | |
|--------------|--|
| Notification | Voice prompt, Vibration, Charging indicator Barcode scanning light, Battery cover detect indicator |
| Keypad Front | 3 Touch Keypad with backlight- Menu, Home,Back 3 Physical with backlight- Back, Scan(200K Times), Enter(this 3 configurable) |
| Keypad Side | 5Physical - Power, Volume+, Volume, Scan L, Scan R, SOS |

Power Supply

| | |
|------------------|------------------------------|
| Battery Capacity | 4000mAh |
| Adaptor | AC220V to DC5V USB Connector |
| Adaptor input | ACX 100~240V 50~60Hz |
| Adaptor Output | 5V/2A (10W) |
| Quick Charge | Fully charged in 2hrs |

Mechanical & Environmental

| | |
|-----------------------|--|
| Sealing level rate | IP67 |
| Drop Specification | 1.5 M |
| ESD | ±15kV air discharge, ±8kV direct discharge |
| Operating Temperature | -10°C ~ 50°C |
| Storage Temperature | -40°C ~ 70°C |
| Operating Humidity | 5% ~ 95% RH |
| Dimension | 142 x 71 x 22.05 (mm) |
| Gross Weight | 285g (with battery) |

Accessory

| | |
|-----------------|------------------------|
| Cradle | Cradle + Battery |
| Gun grip | UHF (ISO18000-6C) |
| Battery Charger | 4 Slot battery Charger |
| Holster | Terminal Holster |
| Hand strap | Terminal Hand strap |

Application Development Support

| | |
|-----------------------------|---------------------------|
| System Software Development | Mobilink SDK |
| System Environ | JDK, Eclipse, Android SDK |

Certificate

| | |
|-------------|--|
| Certificate | CCC + Network Access Certificate Optional CE, FCC, EU |
|-------------|--|

RFID UHF

| | |
|------------|--|
| Frequency | 865MHz-868MHz / 920-925MHz / 902-928MHz |
| Protocol | EPC C1 GEN2 / ISO18000-6C |
| Antenna | Linear polarization (1.8dBi) Circular polarization (2.5dBi) Power 3.1W (23dBm), 0.14W(Idle), 0.06mW(shutdown) |
| R/W ranges | up to 2 m (Ranges depend on tags and environment) Reading rates 100 tags/s |

