Computer Hardware Design

CHD PM500

Mobile POS system

CHD PM500 is a mobile cash system – one device for your point of sales, if you require both mobility and compactness. The palm-sized unit combines **a cash register, a receipt printer and a barcode scanner**, which makes this the ideal tool not only for off-site sales, but also for any other point of sale.

Ergonomic design

179 mm

64 mm

77,5 mm

**Easy-load
58 mm receipt printer**

**5'' touch
cashier display**

**1D/ 2D
barcode scanner**
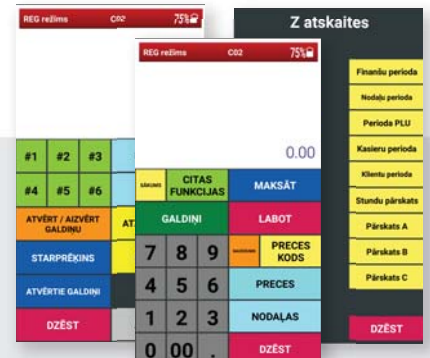
**Android™ 7.1 operating system
with miniPOS
sales software**

miniPOS

**High capacity
3000 mAh battery**

- Full functionality of cash registers
- Colourful and intuitive screen layouts
- Modern payment system

CHD PM500

Mobile POS system

miniPOS

Specification

PERFORMANCE	
Processor	Qualcomm MSM8909 1.1GHz
Operating system	Android 7.1 Nougat
	FOTA (Firmware Over The Air) update
Memory	
RAM / ROM	1GB / 8GB or 2GB / 16GB (option)
Extension	1 Micro SD card, supports up to 32 GB
SAM	4 Micro SAM
SIM	1 Micro SIM
Sensor	ambient light sensor, accelerometer

PHYSICAL PROPERTIES	
Size (LxWxH)	179 mm x 77,5 mm x 64 mm
Weight	450 g
Display	5.0", 720x1280 pixels or more, HDLED background light, wide view angle, daylight readable (500+ Nits), Multi-touch, can be used with stylus
Power	battery, 7,4V 3000mAh
Keys	ON/OFF button, scanning button (right, left)
Audio	rear speaker
Cable communications	USB Highspeed 2.0 Type C / OTG (charging, data, USB memory)

GPS SYSTEM	
GPS	Supports A-GPS, Glonass, BeiDou

COMMUNICATIONS	
Wireless LAN	
Radio	IEEE 802.11a/b/g/n, IEEE 802.11d/h/i/k/r/v
Bluetooth	4.2 BLE, Class 1

PRINTER	
Printing speed	max. 85 mm/sec.
Receipt sizes	
Width	58 mm
Diameter	40 mm

DATA ACQUISITION	
NFC	ISO Standards: ISO14443A/B, ISO15693, ISO18092 (NFC IP-1), ISO21481 (NFC IP-2) 13.56Mhz HF frequency The supported parameters: ISO14443A/B, FeliCa, ISO15693 MiFare® (Classic 1k/4k, Plus, UltraLight, DesFire
Camera	
Front	8MP (option)
Rear	2MP
Skeneris	1D/2D barcode scanner (option)
RFID	900MHz UHF (option)

PAYMENT	
MSR	Track 1/2/3, bi-directional
Contact	EMV Contact L1/L2
Contactless	EMV Contactless L1 / EMV Kernels (VISA, Master, Union-Pay, AMEX, JCB, D-PAS)
Security	PCI PTS 5.x PED

ENVIRONMENT	
Operating temp.	-10°C to 50°C
Storage temp.	-20°C to 70°C
Moisture	5%~95% relative humidity, non-condensing
Electrostatic discharge	±15 kVdc air discharge (TBS) ±8 kVdc contact discharge (TBS)

CONFORMITY	
Certificates	CE/CB, FCC/IC, NrCAN, JATE, TELEC, KC

SOFTWARE	
Installed	CHD miniPOS

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