MPN86

Next Generation
Smart POS Terminal

MPN86
Mobile POS Next Generation

SCANTECH ID ®
CHAMPTEK Group

Introduction

The MPN86 is a cutting-edge secure electronic terminal powered by Android 9.0 operation system and quad-core high-speed processor.

It comes with a 5 inch high definition colorful display, industrial level thermal printer and flexible configuration for various barcode scanner scenarios. A wide range of advanced connectivity options are supported for global 2G/3G/4G communication network, as well as in-built NFC contactless, BT4.2 and WIFI. With its industrial-grade design and can withstand a drop of up to 1.5 meters on the marble floor.

Empowered by Quad-core CPU and massive memory, MPN86 enables exceptionally fast processing of applications, accepts payments of magnetic strip cards, IC cards, contactless NFC and 1D&2D barcodes.

MPN86 mobile solution provides customers with the most versatile solution in the market and perfectly suitable and definitely the best choice for any retail, warehouse and logistics environment.

Features

• Android 9.0 OS;

• 5 inch TFT IPS LCD, resolution 1280*720;

• Built-in high speed thermal printer, with over 50km print life

• Full bands for global coverage: 4G/3G/2G,WLAN

• Dual camera for quickly QR code scan & 2D scanner as option

Wristband

• Prevents MPN86 from falling
• Elastic and Adjustable

MPN86

Specifications

• Basic Characteristics

OS	Powered by Android 9.0
CPU	Quad-Core 1.4Hz Processor Security Chip
ROM/RAM	1GB RAM + 8GB Flash 2GB RAM + 16GB Flash Micro SD Card supported up to 128GB
Display	5 inch Color Screen, Resolution 1280x720 (854 x 480 optional) Capacitive TouchScreen, Multi-Touch
Dimensions	194mm(L) x 80mm(W) x 68.80mm(H)
Weight	420g (Battery included)
Keys	1 Power Key, 2 Volume Keys
PIN Pad	Software PIN Pad
Audio	Built-in Speaker, Microphone

• Coummunication

WIFI	IEEE 802.11 b/g/n, support dual band 2.4GHz and 5GHz
Bluetooth	BT 4.2 (BLE) 2402-2480MHz
4G	LTE-FDD B1/B3/B5/B8 LTE-TDD B34/B38/B39/B40/B41 (140MHz)
3G	WCDMA B1/B8
2G	GSM 900/1800 MHz

• Scanner & Card Reader

Barcode Scanner	Support 1D and 2D Symbologies
Magnetic Card reader	Support Track 1/2/3, Bi-Directional, ISO7811
Smart Card reader	EMV, PBOC Apporved
Contactless Card reader	13.56MHz, ISO14443, Type A/B, MIFARE, QPBOC Apporved

• Expansion & Peripheral

Printer	High-Speed Thermal Printer Paper Roll Width: 58mm, Diameter: 40mm
Camera	Rear Camera: 2MP, FF Optional: 5MP, AF with Flash
Satellite Positioning	GPS: 1575.42 +/-1.023 MHz GLONASS: 1597.5~1605.8 MHz BeiDou: 1561.098 +/-2.046 MHz

• Interfaces

Micro SD Card Slot	1 PC SD3.0
SIM/SAM Card Slot	1 PC / 2PCS
USB Port	1 PC TYPE C OTG

• Power

Battery	7.4V/2600mAh Equals to 3.7V 5200mAh rechargeable Li-ion Battery
Charging Port	TYPE-C Port with 5V/2A Power Adaptor
Charging Base V1	DC 9V/2.1A
Charging Base V2	DC 9V/2.1A, multi-functional cradle with RS232 and LAN RJ45 ports

• Environment

Operating Temperature	0℃ to 50℃
Storage Temperature	-20℃ to 60℃
Shockproof	1.5 meters

• Certification

CCC, CE, ATEX, IP54

EMV3.0, L1&L2, PBOC/QPBOC,

Paypass, PayWave, JCB, AMEX, Discover, TQM; PCI6.X, UPTS 3.0

Accessories

Charging Base

Fingerprint Module(Optional)

Adaptor:
DC 9V/2.1A

RS232:
RJ45, 115200bps

LAN:
RJ45, 10M/100M

Muilti-functional Cradle

Wristband