

MCP Series

## MCP0522



5.2" Commercial Grade Android Mobile Tablet PC



- 5.2" Android 11 with GMS
- Cortex-A53 Octa-core 2.3GHz
- 8000mAh, Li-ion Battery
- 2G/ 3G/ 4G
- IP54, 1.5m Drop Test
- Support NFC, Barcode Scanning, Thermal Printing, Secure PSAM

Logistics  
ManagementWarehouse  
Optimization

Parking

Inventory  
CheckingAsset  
Management

# Specification

## MCP0522

### Display

Display type	5.2" IPS FHD
Resolution	1920 x 1080
Brightness	520 nits
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported

### Main System

CPU	Cortex-A53 2.3 GHz Octa-core
Memory	3GB
Storage	32GB
OS Support	Android 11
Developing Environment	SDK: Supported Language: Java Tool: Eclipse / Android Studio
Communication	WLAN: IEEE802.11 a/b/g/n, 2.4G/5G dual-band WWAN: 4G Bluetooth 5.0 GNSS: GPS/AGPS, GLONASS, BeiDou; internal antenna
Card Slot	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
Expansion	2 PSAM slots at most (ISO7816 protocol)
Interface	USB 2.0 Type-C, OTG

### Physical

Audio	1 microphone; 1 speaker; receiver
Sensor	Light sensor, proximity sensor, gravity sensor
Camera	13MP Autofocus with flash
Module	NFC Thermal Printer Barcode Scanner (Optional)
Battery	8000mAh, Li-ion, rechargeable
Power Input	AC 100 - 240V
Power Adapter	DC 5V/2A
Keypad	1 power key, 2 scan keys, 1 multifunctional key, numeric keyboard
Standard Accessory	1 x Power Adapter (5V/2A) 1 x USB Type-C Cable 1 x Lanyard 1 x SIM Tray Ejector 1 x Thermal Paper Roll
Product Dimension	186.89 x 83.99 x 35.04 - 49.49mm
Product Weight	507g / 17.88oz

### Environment

Rugged Feature	1.5m Drop Test
Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Humidity	5% - 95% (non-condensing)

### Overview



### Optional Accessory



Thermal Paper  
width 58mm  
diameter 30mm



Holster

## Module Configuration

### Barcode Scanner

2D Barcode Engine	Zebra SE4710, Honeywell N6603, Coas IA166S / IA171S
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

### NFC Module

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

### Thermal Printer

Rate	85mm/s
Image Size (pixel)	384 dots
Paper Width	58 mm
Paper Diameter	3 cm
Paper Length	5.45 m