

MCA Series

MCA0806



8" Commercial Grade Android Mobile Tablet PC



- 8" Android 9 System with GMS
- Qualcomm® Snapdragon™ 450 Octa Core
- 8000mAh Capacity, Li-ion Battery
- 2G, 3G, 4G LTE
- IP65, 1.5m Drop Test
- Support Fingerprint, UHF RFID Module



Logistics
Management



Warehouse
Optimization



Process
Supervision



Inventory
Checking



Asset
Management

Specification

MCA0806

Display

Display type	8" IPS
Resolution	1920 x 1200
Brightness	300 nits
Touch Panel	5 Points Projected Capacitive Touch Panel

Main System

CPU	Qualcomm® Snapdragon™ 450 Octa Core
Memory	3GB
Storage	32GB
OS Support	Android 9
Developing Environment	SDK: Supported Language: Java Tool: Eclipse / Android Studio
Communication	WLAN: 802.11 a/b/g/n/ac/d/e/h/i/k/r/v (2.4G + 5G dual-band WiFi) WWAN: 4G Bluetooth: 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR GNSS: GPS/AGPS, GLONASS, BeiDou, Galileo; Internal Antenna
Card Slot	1 x Micro SIM Card, 1 x Micro SIM or TF Card
Interface	USB 3.0, Type-C, OTG

Physical

Speaker	1 x Speaker
Microphone	1 x Microphone
Sensor	Gravity Sensor, Gyroscope, Accelerometer sensor
Camera	Front: 8MP Rear: 13MP Camera with LED Light
Module	NFC Module Barcode Scanner Module (Optional) Capacitive / Optical Fingerprint Module (Optional) Internal / External UHF RFID Module (Optional)
Battery	8000mAh Capacity, Li-ion Battery
Using Time	Over 10hrs (Depending on User Behavior / Environment)
Power Input	AC 100 - 240V
Power Adapter	DC 5V/2A
Keypad	1 power key, 1 volume key, 1 front key
Standard Accessory	1 x Power Adapter (5V/2A) 1 x USB Type-C Cable 1 x Hand Strap
Product Dimension	250.8 x 152 x 15 mm
Product Weight	700g
Box Dimension	280 x 180 x 100 mm
Box Weight	1160g

Environment

Rugged Feature	IP65, 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 Module



Optional Accessories



Module Configuration

Barcode Scanner Module

2D Barcode Engine	Zebra SE4710 (standard) , Zebra SE4850 (optional)
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSS, etc.
2D Symbolologies	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 to 4 cm

Fingerprint Module

Sensor	TCS1/TCS2 Capacitive
Sensing Area (mm)	12.8 x 18.0 ; 10.4 x 14.4
Resolution (dpi)	508 dpi, 8-bit greyscale
Certifications	FIPS 201, STQC
Format Extraction	ISO 19794, WSQ, ANSI 378, JPEG2000
Fake Finger Detection	Support by SDK
Security	AES, DES key encryption of the host communication channel

UHF RFID (External)

Engine	Impinj E710 ; Impinj E510 ; Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular Polarized Antenna (4 dBi)
Power	1W (30 dBm, +5 dBm to +30 dBm adjustable) ; 2W (33 dBm, for Latin America, etc.) (Optional)
R/W range	Up to 15 m (open outdoors, Impinj MR6 tag)
Fastest Read Rate	900+ tags/sec
Communication Mode	NA

UHF RFID (Internal)

Engine	Impinj E710 ; Impinj E510 ; Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular Polarized Antenna (3 dBi)
Power	1W (30 dBm, +5 dBm to +30 dBm adjustable) ; 2W (33 dBm, for Latin America, etc.) (Optional)
R/W range	Up to 10 m (open outdoors, Impinj MR6 tag)
Fastest Read Rate	900+ tags/sec
Communication Mode	NA