

MCA Series

MCA0406



4" Commercial Grade Android Mobile Tablet PC



- 4" Android 11.0 System with GMS
- Qualcomm® Snapdragon™ 662 Octa Core
- 6700mAh Capacity, Li-ion Battery (Removable)
- 2G, 3G, 4G LTE
- IP65, 1.8m Drop Test
- Support UHF RFID Module



Logistics
Management



Warehouse
Optimization



Process
Supervision



Inventory
Checking



Asset
Management

Specification

MCA0406

Display

Display type	4" IPS
Resolution	480 x 800
Brightness	320 nits
Touch Panel	5 Points Projected Capacitive Touch Panel

Main System

CPU	Qualcomm® Snapdragon™ 662 Octa Core
Memory	3GB
Storage	32GB
OS Support	Android 11
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: 5.1 GNSS: GPS/AGPS, GLONASS, BeiDou, Galileo; Internal Antenna
Card Slot	1 x Micro SIM Card, 1 x TF Card
Interface	USB 3.1, Type-C, OTG, Extended Thimble

Physical

Speaker	1 x Speaker
Microphone	2 x Microphone
Sensor	Gravity sensor, Proximity sensor, light sensor, Accelerometer sensor, Vibration motor
Camera	Rear: 13MP Camera with LED Light
Module	NFC Module Barcode Scanner Module External UHF RFID Reader (Optional)
Battery	6700mAh Capacity, Li-ion Battery (Removable)
Using Time	Over 12hrs (Depending on User Behavior / Environment)
Power Input	AC 100 - 240V
Power Adapter	DC 5V/2A
Keypad	Keypad (Optional): 27/37/47 keys Side keys: 2 volume keys, 2 scan keys, 1 user-defined key
Standard Accessory	1 x Power Adapter (5V/2A) 1 x USB Type-C Cable 1 x Charging Cradle 1 x Power Adapter (for Charging Cradle) 1 x Hand Strap
Product Dimension	202 x 72.5 x 32 mm
Product Weight	370g
Box Dimension	230 x 105 x 100 mm
Box Weight	730g

Environment

Rugged Feature	IP65, 1.8m 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/SE4750SR/SE4750MR/SE4750D P/ SE4850; Honeywell: N6603/EX30
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, 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

UHF RFID (External)

Engine	Impinj E710 ; 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	Pin Connector