



# MC66

## Mobile Computer

New Development with large screen, strong extensibility and Android GMS Certified



UHF



UHF Sled Reader



Pistol Grip



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



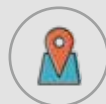
NFC



UHF



Camera



GPS

# Specification

## Physical Characteristics

Dimensions	160.0x76.0x15.5 mm / 6.3x2.99x0.61in.
Weight	287g / 10.12 oz. (Device with Battery)
Keypad	1 power key, 2 scan keys, 2 volume keys, 1 PTT key
Battery	4300 mAh removable main battery, 5200 mAh optional pistol battery, support QC 3.0
	Standby: over 300 hrs (only main battery)
	Continuous use: over 12 hours (depending on user environment)
	Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
Speaker	Support
Vibrator	Support
Microphone	2 Microphones, 1 for noise reduction
Display	5.5-inch high definition full display(18:9), IPS LTPS 1440*720
Touch Panel	Corning Gorilla Glass, Multi-touch panel, gloves and web hands supported
Sensor	Gravity sensor, proximity sensor, light sensor, accelerometer sensor, vibration motor
Indicator LED	Power, charging, status indicator
Card Slot	2 slots for SIM card, 1 slot for TF card
Interfaces	USB3.0, Type-C, OTG, extended thimble

## Performance

CPU	Qualcomm 1.8 GHz Octa-core
RAM+ROM	2GB+16GB / 3GB+32GB
Expansion	Supports up to 128 GB Micro SD card

## Developing Environment

Operation System	Android 9.0 ; GMS, Android Enterprise, Zero-Touch, FOTA, Soti MobiControl, SafeJEM supported
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

## User Environment

Operating Temp.	-20°C to + 50°C
StorageTemp.	-40°C to + 70°C
Humidity	5% RH to 95% RH (non condensing)
Drop Specification	Multiple 1.5m / 4.92 ft. drops (at least 20 times) to the concrete across the operating temperature range
	Multiple 2.4m / 7.87 ft. drops (at least 20 times) to the concrete after installed rubber bumper
Tumble Specification	1000x0.5m / 1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

## Optional accessories

Separate handle with one button;
Handle+battery (handle battery 5200 mAh, one button);
UHF back clip+battery (handle battery 5200 mAh, one button);
Wrist Strap; Rubber Bumper; Charging Cradle

## Communication

WLAN	Support 802.11 a/b/g/n/ac
WWAN (Europe, Asia)	2G: 850/900/1800/1900 MHz
	3G: CDMA EVDO: BC0
	WCDMA: 850/900/1900/2100 MHz
	TD-SCDMA: A/F(B34/B39)
WWAN (America)	4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41
	2G: 850/900/1800/1900 MHz
	3G: 850/900/1900/2100 MHz
Bluetooth	4G: B2/B4/B5/B7/B12/B17/B38
	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GPS	GPS/AGPS, GLONASS, BeiDou, internal antenna

## Data Collection

### Camera

Rear Camera	Rear 13 MP Autofocus with flash
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### NFC

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card(550, S70), CPU card, NFC tags, etc.
Range	2-4 cm

### UHF1(Optional)

Engine	CM2000-1 module based on 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 Optional (33 dBm, for Lati America, etc.)
R/W Range	> 25 m (indoors); >15 m (open outdoors, Impinj MR6 tag)
Reading Rate	> 200 tags/s
Communication Mode	Pin Connector

### UHF2(Optional, UHF Sled)

Engine	Based on 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 Optional (33 dBm, for Lati America, etc.)
R/W Range	> 22 m (indoors); >10 m (open outdoors, Impinj MR6 tag)
Reading Rate	> 200 tags/s
Communication Mode	Pin Connector / Bluetooth

\* Ranges and rates depend on tags and environment

### Barcode Scanning(optional)

2D Scanner	Zebra: SE4710/SE2100; Honeywell: N6603
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
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.

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