

IMX-2000

Industrial Mobile Handheld Device



Features

- Android 2.3 operating system
- 3.5" QVGA display; sunlight readable
- Data input by numeric keypad in Android
- Wireless radio
 - WLAN: IEEE 802.11 b/g/n
 - WPAN: Class II EDR, V2.1
 - WWAN: GSM / WCDMA / HSDPA
- Integrated GPS & AGPS
- Data capture
 - 1D laser engine / 2D imager
 - NFC PN544 (13.56MHz)
- 5M pixel camera; auto focus
- 3900mAh Li-ion battery
- 1.5m drop and IP65 sealing

Specifications

Physical Characteristics

Dimensions (L x W x T)	162 x 80 x 30.5(mm) / 6.3 x 3.1 x 1.2(inch)
Weight	385g (including battery)
Display	3.5" QVGA TFT-LCD, resistor-type touch panel Resolution: 240 x 320; sunlight readable
Keypad	28 numeric+ 4 side keys
Main Battery	Rechargeable lithium battery: 3.7V / 3900mAh
Expansion Slot	microSD, support SDHC up to 32GB
SIM Slot	2 SIM card slots (1 for 3G / 1 for LTE)
Camera	5M pixels, autofocus with LED flash
GPS	Integrated GPS / AGPS
Audio Options	Speaker, receiver, microphone, headset, bluetooth headset, supporting duplex sound recording and voice output
Notifications	Programmable LEDs; audio notifications; vibrator alerts

Performance Characteristics

CPU	800MHz
OS	Android 2.3
Memory	512MB NAND flash memory / 512MB DDR RAM
Interface	USB 2.0 client

Data Capture

1D	1D laser scan engine
2D	2D CMOS imager
NFC	NFC PN544 (13.56MHz)

Wireless

WLAN	IEEE 802.11 b/g/n
WPAN	Bluetooth V2.1 + EDR, Class II
WWAN	WCDMA / HSDPA

Working Environment

Operating Temperature	-10°C ~ 50°C / 14°F ~ 122°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Charging Temperature	0°C ~ 40°C / 32°F ~ 104°F
	Humidity 5% to 95% (no condensation)
Drop Spec	1.5m drop onto metal
Sealing Spec	IP65
Electrostatic	±12KV (air discharge) / ±8KV (direct discharge)

Product Illustration



Ordering Information

Modules

Model Number	Description/Configuration
IMX-2171	Rugged Handheld Device, 1D, Qualcomm, Android 2.3, BT/WiFi, GPS, 3.5G high speed, 3900mAh
IMX-2172	Rugged Handheld Device, 2D, Qualcomm, Android 2.3, BT/WiFi, GPS, 3.5G high speed, 3900mAh
IMX-2177	Rugged Handheld Device, 1D, NFC, Qualcomm, Android 2.3, BT/WiFi, GPS, 3.5G high speed, 3900mAh
IMX-2178	Rugged Handheld Device, 2D, NFC, Qualcomm, Android 2.3, BT/WiFi, GPS, 3.5G high speed, 3900mAh
IMX-1000	Charging cradle with extra battery slot