Android Products



IMT-1



IMX-3000

Specifications

Physical Characteristics

Dimensions	288 x 191 x 18.5 mm (L x W x T)
Weight	950g
Expansion slot	microSD x1
mini-SIM	x1
SAM slot	x1
Status LEDs	Power/Wireless status LEDs
Buttons	Power button
	Programmable buttons x4
Battery	7.4V/4200 mAh Li-ion
Speaker	1.5W speaker x1
Microphone	x1
Headset	Stereo earphone jack x1
USB	USB 3.0 OTG x1, USB 2.0 host x1
Display Output	Micro HDMI x1
Light Sensor	0~100,000 lux
G-sensor	3-axis, 2g, at least 8-bits accuracy
Compass	3-axis, at least 8-bits accuracy

Performance Characteristics

Processor	TI OMAP5432 SoC with 1.5GHz dual-core ARM A15 CPU
Memory/Storage	2GB DDR3 RAM/32GB eMMC
Operating system	Android 4.2

Data Capture

RFID	HF 13.56MHz, NFC 18092, 14443A/B, 15693
	SAM encryption supported
Camera	2MP camera on front, 5MP on rear (with flash)

Wireless

WLAN	IEEE 802.11 a/b/g/n
WPAN	Bluetooth 4.0
WWAN (optional)	3.5G HSPA+, 4G LTE

Working Environment

Operating Temperature	-20°C to 50°C
Storage Temperature	-20°C to 60°C
Charging Temperature	0°C to 40°C
Humidity	10% to 90%, non-condensing
Drop Resistance	0.8m (1.2m with optional protective housing)
Ingress Rating	IP54

Display Characteristics

Size	10.1" TFT LCD
Resolution	1280 x 800 pixels (WXGA)
Brightness	700 cd/m²
Touch Sensor	2-point projected capacitive touch (PCT)

Specifications

Physical Characteristics

Dimensions (L x W x H)	140.9 x 72.9 x 27.3(mm) / 5.5 x 2.9 x 1.1(inch)
Weight	177g ± 5g (excluding battery)
Expansion slot	microSD x 1, support microSDHC
SIM slot	SIM slot x1
SAM slot	SAM slot x1 (for NFC)
Notification	Vibrator, triple LED (R, G, B)
Keypad/Button	5 keys, 2 side keys
Audio speaker	90dB 1KHz @ 10cm
Headset/Receiver/ Microphone	3.5 mm headset x 1 / Receiver x 1/ Microphone x 1
Light sensor	With Light sensor
G sensor	With G sensor
E-Compass	With E-Compass
Proximity sensor	With proximity sensor

Performance Characteristics

CPU	1.2GHz dual CPU
Memory	768MB DDR SDRAM / 4GB eMMC Flash
Interface	USB 2.0 OTG

Data Capture

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

Wireless

WLAN	IEEE 802.11 b/g/n
WPAN	Bluetooth V4.0
WWAN	WCDMA 850/1900/2100; GSM 850/900/1800/1900: HSDPA: 7.2Mb/s; HSUPA: 5.76 Mb/s

Working Environment

Operating Temperature	CCD: -10°C ~ 40°C (14°F ~ 104°F)
	1D/2D: -10°C ~ 50°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Charging Temperature	0°C ~ 40°C / 32°F ~ 104°F
Humidity	10% to 90% @ 25°C, non-condensing
Drop Spec	1.5m drop (with protective cover)
Sealing Spec	IP54
Electrostatic	+/- 12KV (air discharge), +/- 8KV (direct discharge)

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Making True Industrial Mobility a Reality



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Rugged tablet enhances workforce productivity

Looking for an enterprise-class tablet powered by Android 4.2 that you can deploy anywhere? The IMT-1 offers everything you need — from functionality to durability and connectivity. Integrated TI OMAP5432 1.5GHz dual-core ARM A15 processor maximizes performance, and ruggedized construction easily withstands the most demanding environments, reducing ROI.

With WLAN or WWAN connectivity, you can count on the IMT-1 to deliver what's needed to get the job done, with advanced scanning technology to capture accurate information in a spilt second.



Consumer-style design with industrial durability

The IMT-1 holds its own next to consumer tablets, with a 10.1" capacitive touchscreen and built-in megapixel cameras on the front and rear. Ruggedized with an IP54 rating, the IMT-1 easily withstands drops from 0.8 meter (1.2m with optional protective housing). The display is protected by ultra-strong Gorilla® Glass, making it virtually impervious to damage, able to flex when dropped without shattering or scratching.

Perfect for any workplace

IMT-1 supports 802.11 a/b/g/n for maximum wireless speed. The data-only modem accommodates optional high-speed 3.5G HSPA+ or 4G LTE cellular connections. In office or outside, WLAN and optional WWAN connectivity support speedy reception and processing, and sunlight readability allows easy viewing in the field.





Advanced HF RFID technology with data security

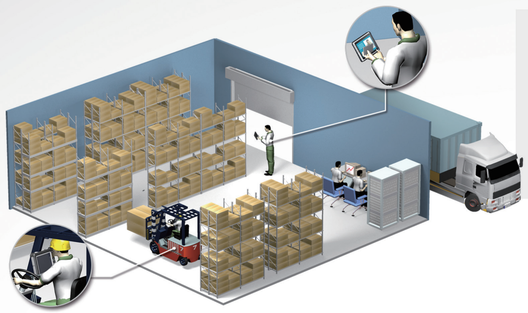
The IMT-1 is equipped with an NFC reader/writer and supports recognition of RFID tags (13.56 MHz). A SAM (Secure Access Module) is standard, enabling communication of encrypted data for applications requiring higher levels of security.

Applications

Transportation & logistics

Whether transported by air, ground, or sea, access to real-time goods data and operational durability are critical. IMT-1's key features reduce costs and speed passenger, luggage, and goods control.

IMT-1 integrates the NFC reader/writer for easy data capture and mobile personnel input, while GPS support enables continuous location and schedule optimization by real-time route management. High speed cellular & wireless communications provide real-time data access, suiting the IMT-1 to transportation & logistics industry use.



Why IMT-1

- Rugged design with IP54 rating and 1.2m drop resistance (with optional protective housing)
- High-speed wireless (IEEE 802.11 a/b/g/n) and optional cellular connectivity (3.5G HSPA+ and 4G LTE)
- Data Capture: HF 13.56MHz NFC RFID
- Integrated GPS

Retail

In retail environments, shopper experience is critical, defining the difference between browsing and buying, customers becoming brand advocates, and retailers significantly influencing the purchase path. Using the IMT-1 to locate items, submit price checks and even perform inventory tasks, you can provide shoppers with the information they need to make shopping a truly engaging experience.

The IMT-1 supports high speed cellular & wireless communication to deliver information shoppers need when and where they want it. The IMT-1 is also equipped with an NFC reader/writer and supports recognition of FeliCa®, MIFARE® and other contactless smart cards, as well as ISO15693-compliant RFID tagging which can be coupled with a SAM (Secure Access Module) slot for mobile POS payment. The IMT-1 is built tough, for dependable and reliable service, expanding product lifetime and reducing your ROI.



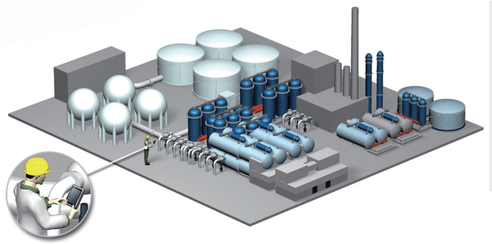
Why IMT-1

- Rugged design with IP54 rating and 1.2m drop resistance (with optional protective housing)
- High -speed wireless (IEEE 802.11 a/b/g/n)
- Data Capture: HF 13.56MHz NFC RFID

Field Service

Field services rely on rugged devices that can withstand a wide variety of environments and situations, such as extreme weather, tight schedules, real-time communication, and the need for centralized data access and input. ADLINK's IMT-1 industrial tablet PC helps accomplish necessary operations quickly and efficiently.

The IMT-1 provides high speed wireless connectivity to empower field forces with instant access to the data and information they need. With durable and reliable construction, to withstand drops, spills, tumbles, rain, dirt and more, for uninterrupted workflow. The integrated camera can capture images of damaged items for simple straightforward claims processing, and with an NFC reader/writer, the IMT-1 further enables management of field personnel.



Why IMT-1

- Rugged design with IP54 rating and 1.2m drop resistance (with optional protective housing)
- High -speed wireless (IEEE 802.11 a/b/g/n) and optional cellular connectivity (3.5G HSPA+ and 4G LTE)
- Data Capture: HF 13.56MHz NFC RFID
- Integrated cameras (2MP on front, 5MP on rear)

FAQ

Q1 How does the IMT-1 tablet improve on commercial tablets?

The rugged design of IMT-1 helps reduce costs and downtime from replacing a new tablet and enhances operation efficiency. The IMT-1 has increased longevity and can be used indoors and outside with less concern about impact damage, with its higher drop resistance than commercial grade devices. Further, -20°C to 50°C operating temperature range and IP54 rating make use in any environment a reality.

Q2 What advantages does the Android platform provide over Windows?

Android, as an open platform, provides everything needed to build best-in-class apps. Tools for creating more user-friendly apps allow you to take full advantage of the hardware capabilities of each device. Toward more efficient development, Android Developer Tools offer a full Java IDE with advanced features for developing, debugging, and packaging Android apps. It is highly flexible and eliminates licensing costs.

- Free SDK & development-resources
- High user acceptance
- Low entry barriers due to Java script
- High flexibility



Q3 What kind of SDK is provided with the IMT-1?

NFC readers and programmable button utility allow easy development of applications and functions to run on the IMT-1.

Q4 What accessories are included?

The IMT-1 comes equipped with all the accessories necessary to get started, including battery charger and carry strap for ergonomic and comfortable transport while writing or interacting with the display.

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