

RUGGED ANDROID TABLET



VT-7A PRO

VT-7A PRO is a 7-inch rugged tablet with rich functions. Equipped with a Qualcomm 64-bit octa-core processor, the main frequency supports up to 2.0G. The tablet is driven by the Android 13 system and has been officially certified by Google Mobile Services. Built-in communication modules such as GPS, 4G, WiFi, Bluetooth, NFC, which are suitable for various IoT (Internet of Things) applications. VT-7A PRO also has a rich of interfaces including RS232, GPIO, USB, ACC, etc., making it easier to work with more external devices. Its rugged and waterproof features ensure its stability in different outdoor harsh environments.

PRODUCT HIGHLIGHTS

ANDROID 13 (GMS)

With GMS official certification, users can make full use of the services provided by Google. And the certification also ensures the functional stability and compatibility of the device.



OTA

Our technical team will update the security patch to the terminal devices every 3 months.



MDM

Support most MDM software on the market, which is convenient for customers to control and manage equipment in real time.



HIGH BRIGHTNESS SCREEN

The 7-inch screen with 1280*800 resolution and 1000 nits brightness, ensuring that users can clearly identify the content on the screen in an outdoor



PRODUCT HIGHLIGHTS

REAL-TIME COMMUNICATION

It has four satellite systems: GPS, GLONASS, BDS and Galileo, and has built-in LTE CAT4 communication module, which is convenient for tracking management.



RUGGED AND DURABLE

Comply with IP67 waterproof and dust proof rating, 1.2m drop resistance, MIL-STD-810G shockproof and impact-resistant standard.



RICH INTERFACES

It has rich interfaces such as RS232, USB, ACC, etc., and is suitable for various kinds of vehicle. We also provide the customized services for required functional interfaces.

RS232

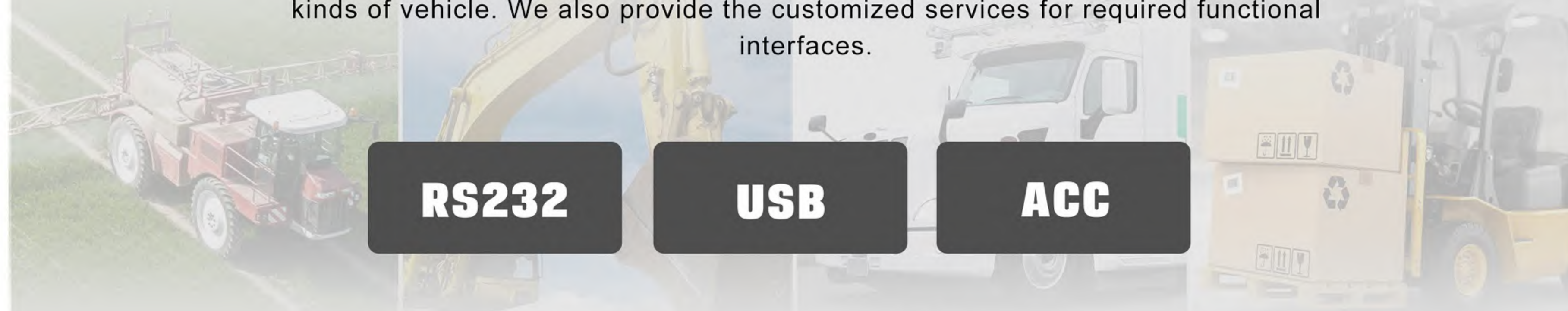
USB

ACC

RS485

GPIO

CANBUS



ISO 7637 -II

ISO 7637-II transient voltage protection standard, which can withstand 174V 300ms automobile power pulse. With the design of a wide voltage range DC8-36V power supply to improve the reliability and stability.



APPLICATION

This 7-inch rugged tablet can be widely applied in different industrial scenarios including fleet management, intelligent transportation system, mining, logistics warehousing etc, Improve the working efficiency and productivity.

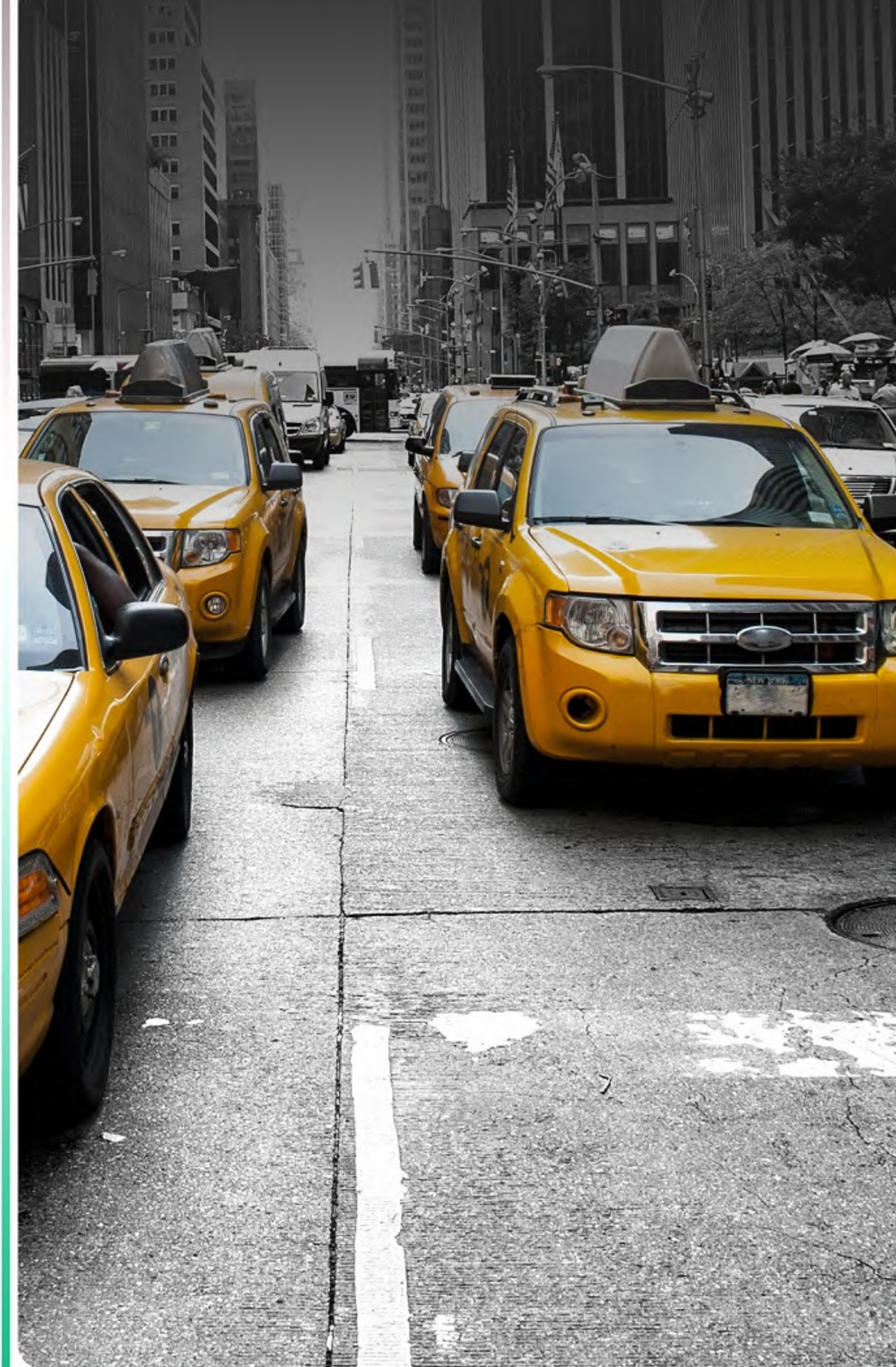
SMART AGRICULTURE



FLEET MANAGEMENT



INTELLIGENT TRANSPORTATION



CONSTRUCTION MACHINERY



LOGISTICS WAREHOUSING



DOCKING STATION

	Extended Interface (Standard)	Extended Interface (Enhanced) (Not for GMS version)
PICTURE		
RS232	×2	×2
CANBUS	×1 (optional)	×1
ANALOG INPUT	×1 (optional)	×2
USB TYPE-A	1×USB-A 2.0 (can not be used simultaneously with USB Type-C on the device)	
GPIO	Input×3, output×3	Input×3, output×3
ACC	×1 (0~36V)	×1 (0~36V)
POWER	×1 (8-36V, ISO 7637-II compliant)	×1 (8-36V, ISO 7637-II compliant)
RS485	/	×1
RJ45	/	×1 (100 Mbps)
AV INPUT	/	×1
	RS485, RJ45 and AV Input can not be used simultaneously with USB Type-C on the device	
ENVIRONMENT	Operating temperature: -10℃ ~ 65℃ (14°F ~ 149°F); Storage temperature: -20℃ ~ 70℃ (-4°F ~ 158°F)	

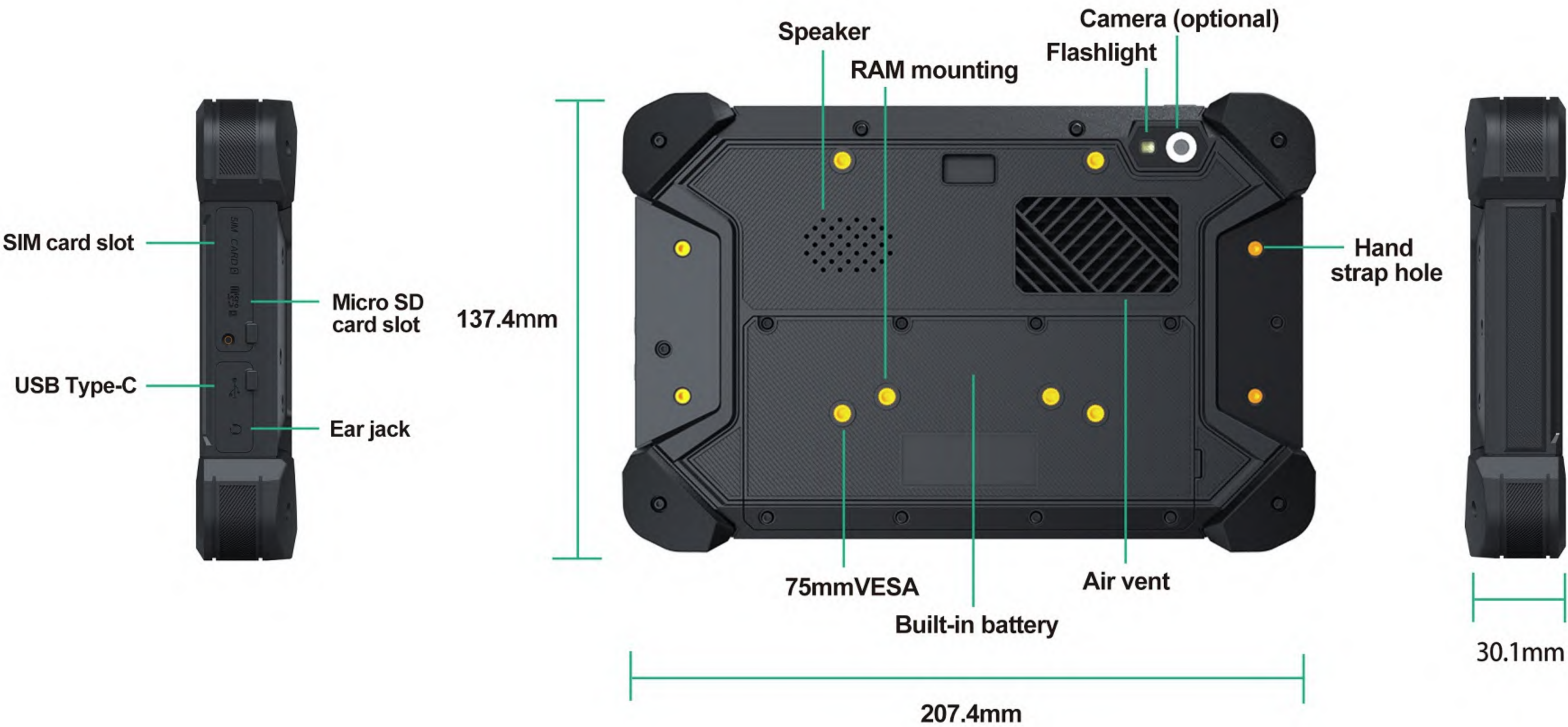
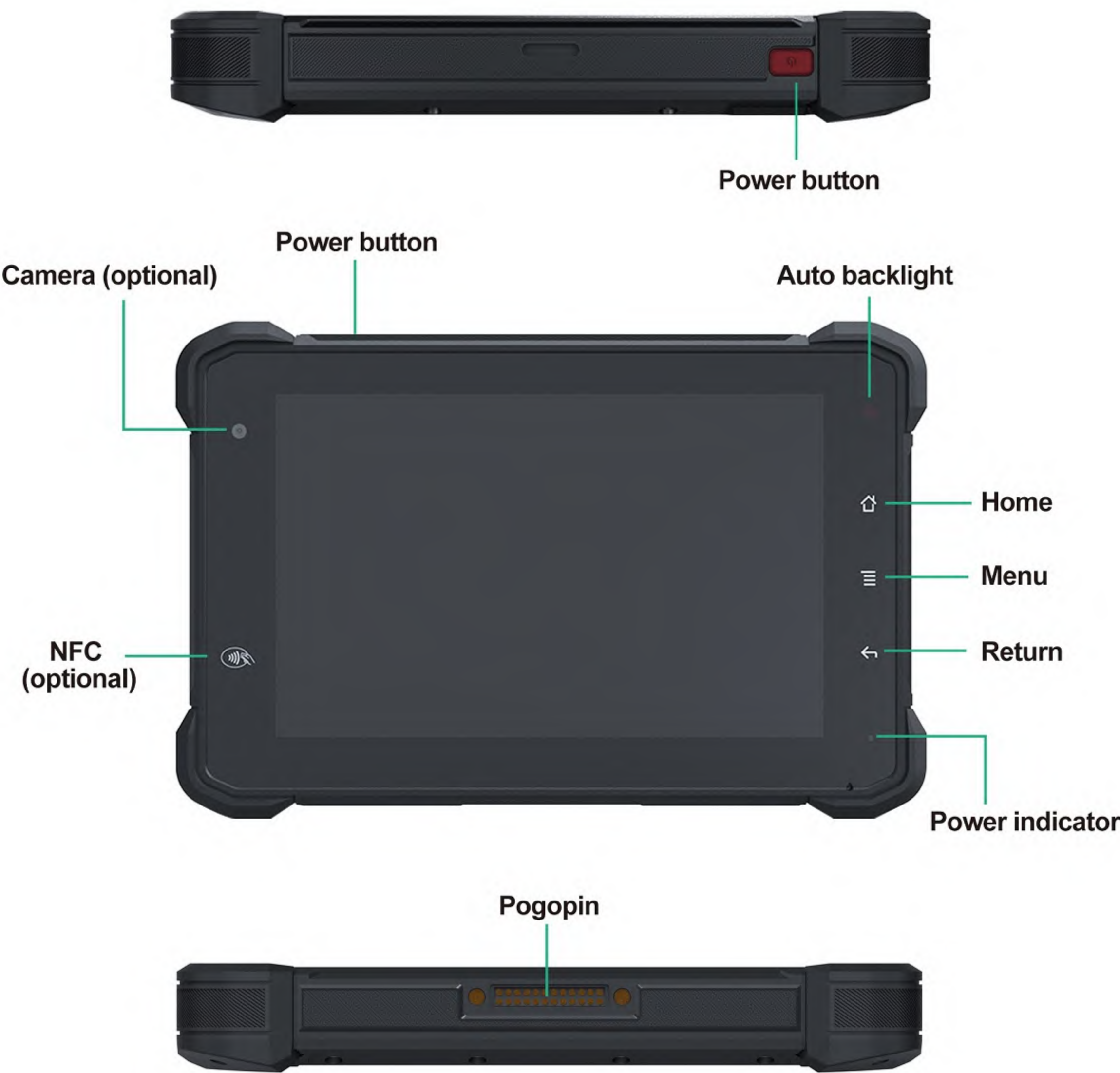
SPECIFICATIONS

SYSTEM	CPU		Qualcomm Octa-core, 4×A73, 2.0GHz and 4×A53, 1.8GHz	
	OS		Android 13	
	GPU		Adreno 610	
STORAGE	RAM		LPDDR4 4GB/8GB (optional)	
	ROM		eMMC 64G/128GB (optional)	
DISPLAY	LCD		7 Inch Digital IPS Panel, 1280×800, 1000 nits	
	SCREEN		Multi-point Capacitive Touch Screen	
AUDIO			Integrated microphone	
			Integrated speaker 2W	
COMMUNICATION	GNSS		GPS/GLONASS/BDS/Galileo/QZSS,; Internal Antenna; External SMA antenna (optional)	
	2G/3G/4G	US Version North America	LTE FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B66/B71	
			LTE-TDD: B41; Internal Antenna; External SMA antenna (optional)	
		EM Version EMEA/Korea/ South Africa	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28	
			LTE TDD: B38/B39/B40/B41	
			WCDMA: B1/B2/B4/B5/B8	
			GSM: 850/900/1800/1900 MHz; Internal Antenna (default),	
			External SMA antenna (optional)	
			WIFI	
			External SMA antenna (optional)	
	Bluetooth		2.1+EDR/3.0/4.1 LE/4.2 BLE/5.0 LE; Internal Antenna (default),	
			External SMA antenna (optional)	
			Operates at 13.56MHz (HF)	
	NFC (optional)		● ISO/IEC 14443A, ISO/IEC 14443B PICC mode	
● ISO/IEC 14443A, ISO/IEC 14443B PCD mode designed				
according to NFC Forum				
● digital protocol T4T platform and ISO-DEP				
		● FeliCa PCD mode		

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COMMUNICATION	NFC (optional)	● MIFARE PCD encryption mechanism (MIFARE 1K/4K)
		● NFC Forum tags T1T, T2T, T3T, T4T and T5T NFCIP-1, NFCIP-2 protocol
		● NFC Forum certification for P2P, reader and card mode
		● FeliCa PICC mode
		● ISO/IEC 15693/ICODE VCD mode NFC Forum-compliant embedded T4T for NDEF short record
SENSOR	Acceleration, Gyro sensor, Compass, Ambient Light Sensor	
INTERFACE	USB	TYPE-C (can not be used simultaneously with USB Type-A)
	Micro SD Slot	1×Micro SD card, Support up to 1T
	SIM Socket	1×Micro SIM Card slot
	Earphone Jack	3.5mm headphone jack compliant with CTIA standard
	Docking Connector	POGO PIN×24
CAMERA	Front: 5.0 megapixel camera (optional)	
	Rear: 16.0 megapixel camera (optional)	
POWER SUPPLY	Power	DC 5V
	Battery	3.7V, 5000mAh battery
PHYSICAL CHARACTERISTIC	Physical Dimensions	207.4×137.4×30.1mm (W×H×D)
	Weight	810g
ENVIRONMENTAL RELIABILITY	Drop Test	1.2m drop-resistance
	IP Rating	IP67
	Vibration Test	MIL-STD-810G
	Operating Temperature	-10℃ ~ 65℃ (14°F ~ 149°F)
	Storage Temperature	-20℃ ~ 70℃ (-4°F ~ 158°F)

VIEWS



Accessories



Screws



Torx wrench (T6, T8, T20)



USB Cable



Power Adaptor



RAM 1" Double Ball Mount with Backing Plate

Optional