

Rugged High-Compute Tablet

A10R

IP68

1.5m Water Resistance

MIL-STD-810H

Temperature: -30 °C ~ 60 °C



Positioning

- Optional GPS, BeiDou, Galileo, GLONASS

Android12 WiFi6 CPU GPS Camera

NFC Interface ODM ID ODM 1D/2D ODM 5G net OEM



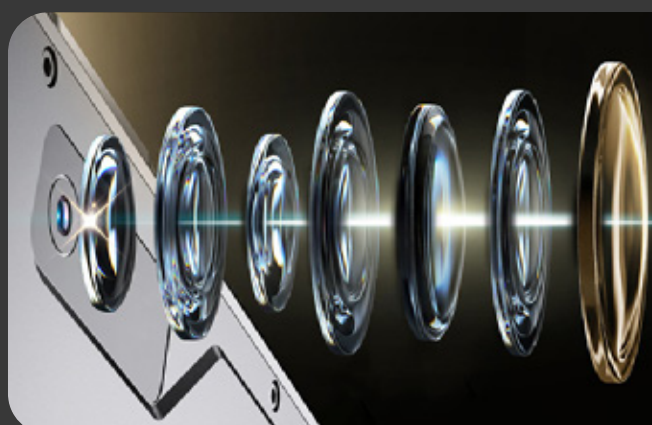
Controllable

- End-to-End Sovereign Security, certified backdoor-free from chip to software.



Camera

Front camera:13MP ■
Rear camera:13MP



Wireless network

5G: One Step Ahead ■



Temperature

-20 ~ +60°C



Offline work

- Offline Working Mode Technology



Configuration

- RK3588 8-core



Product form	
Size /weight	Bare metal: 283.9*189.0*24.1mm/1138g With packaging accessories: 371*213*61mm/1877g
Box specifications	Quantity: 10 pcs/carton ; Dimension: 38.5*33*44.5cm ; Gross Weight: 19.6kg
Wall hole pitch / screw	154x71.5mm/ M3*4.5mm
color	Black, color can be customized
screen size	10.1 inch , 16:10
screen resolution	IPS 1920*1200
screen brightness	700cd/m ² , can be customized 1000cd/m ²
TP touch screen	10-point touch G+G, hardness ≥ 7H, support for medical rubber gloves touch screen (can be customised wet hand touch screen)
Battery	7.6V 5550mAh high voltage lithium battery, non-removable, battery life ≥7h (Play 1080P HD video, 50% brightness and 50% sound) Supports custom large battery (10000mAh/7.6V, Overall thickness: Approximately 27.04mm)

Data collection	
1D/2D scanner (Customized)	Standard version (N1) 0.3M pixels + depth of field Code 39 5mil 65~150mm + red light Reading code system: 2D: PDF417, QR Code, Micro QR, Data Matrix 1D: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey High-end version (N670) 1.0M pixels + depth of field Code 39 5mil 45~200mm + cross laser Read code system : 2D : QR Code, Data Matrix, PDF417 , Han letter code , Dotcode 1D : UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1 128, ISBT 128, Code 39, Code93,Code 11, Interleaved 2 of 5, Industrial 2 of 5,Matrix 25, Standard 25, Codabar,MSI/MSI PLESSEY, GS1 DataBar OCR : Support OCR-A , OCR-B
ID (Customized)	ID card reader module
UHF (Customized)	(optional) distance1 : ≤3M , Service frequency 840-960MHz distance2 : ≤5M , Service frequency 860-960MHz
LF(Customized)	support 125kHz distance : 1-3cm
Fingerprint (Customized)	1: Ordinary industrial fingerprint 2: Fingerprint certified by the Ministry of Public Security 3: FBI certified fingerprint
RTK High-Precision Positioning (Customized)	Positioning Accuracy Standalone (RMS): Horizontal 1.5 m Vertical 2.5 m DGPS (RMS):Horizontal 0.4 m Vertical 0.8 m RTK (RMS):Horizontal 1 cm + 1 ppm Vertical 1.5 cm + 1 ppm

Mainboard reserved expansion interface	
Extension Interface	3.3V-1A/5V-1A power supply, UART interface, interface level 3.3V, USB2.0 interface,5V 1A power supply
Other	
Adapter	12V-4A DC interface adapter
Accessories	Strap/Charging Dock/Stand (optional)

Product reliability	
Drop height	Meets the requirements of (GJB 150.18A-2009, GJB 150.1A-2009) and (MIL-STD-810H) for the 1.22-meter drop test
Working temperature	-20℃~60℃ (custom-30℃~60℃)
Storage temperature	-30℃~70℃ (custom-40℃~70℃)
Humidity	Humidity: 95% Non-Condensing
Certificates	IP68, 3C, CE, US military standard-810H certification, energy saving certification, ISO quality certification system, ROHS, three-proof salt spray test

Explosion-proof information	
Explosion-proof version (optional)	EX Class II Petrochemical Explosion-Proof, KA Class I Mining Safety Explosion-Proof, MA Class I Coal Mine Safety Explosion-Proof

Hardware configuration	
Speaker, receiver, microphone	(speaker 1.2W/8Ω)*2 , MIC*1 , receiver*1
CPU	RK3588 eight-core 64-bit (4 × Cortex-A76+4 × Cortex-A55) main frequency up to 2.4GHz
RAM/ROM	8G+128GB+SSD, 16G+256GB+SSD optional in batches
Gyroscope	YES
Gravity sensor	YES

Camera	
Camera	Front camera: 13MP fixed focus Rear camera: 13MP auto focus
Buttons	
Buttons	Power button*1 , Volume keys*2 (Vol+ , Vol-) Custom keys*2 (P key, F key)

Operation system	
Operation system	Android 12, Optional Star Kylin /OpenHarmony (openharmory V4.1)/KylinOS Desktop V10/ Ubuntu 24.04.2

Wireless connection	
WIFI	WIFI 802.11 (a/b/g/n/ac/ax) frequency WIFI6
Bluetooth	Bluetooth 5.0 class1 transmit distance : 10m
2G/3G/4G (Customized)	LTE-FDD : B1/2/3/4/5/7/8/12/13/14/18/19/20/ 25/26/28/66/71 LTE-TDD : B38/39/40/41 WCDMA : B1/2/4/5/6/8/19
5G (Customized)	Region:EMEA,Australia,Japan,Korea 5G SA&NSA: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/ N71/N77/N78/N79 LTE-FDD:B1/B3/B5/B7/B8/B18/B19/B20/ B28/B32 LTE-TDD:B34/B38/B39/B40/B41/B42 WCDMA:B1/B5/B8 Region:China 5G SA&NSA: N1/N28/N41/N78/N79 LTE-FDD:B1/B3/B5/B8/B28 LTE-TDD:B34/B38/B39/B40/B41 WCDMA:B1/B8 Region: North America 5G NR : N2/N5/N7/N12/N13/N14/N25/N38/N41/ N48/N66/N71/N77/N78 LTE-FDD:B2/B4/B5/B7/B12/B13/B14/B17 /B25/B26/B66/B71 LTE-TDD:B38/B41/B42/B43/B48 WCDMA:B2/B4/B5
Positioning	GPS, Beidou, Galileo, GLONASS , Optional Single-System BeiDou Positioning
NFC	I ² C interface, 13.56MHZ supports 14443A/14443B/15693 and other protocols, which is consistent with the NFC application of Android phone type (The card reading area is default on the back of the fuselage and can be customized in the front)

Ports	
M.2 SSD	*1, reserved for the motherboard, supports M.2 2280 SSD PCIE protocol FAT32 format (maximum 4TB)
Type -C	*1, Type-C USB3.0 (supports data transmission)
Type -A	*1 , Type-A USB3.0
Earphone Jack	*1 , 3.5mmStandard headphone jack
BD9 serial port	*1 , RS232
TF Card	*1 , Maximum support 2TB expansion
SIM Card	*1 , Standard Micro SIM card slot
HDMI	*1 , Micro HDMI
DC port	*1 , 12V-4A
RJ45	*1 , 100/1000M
POGO PIN	*1 , 12Pin USB+charger

Product Highlights

01

Octa-Core Power
Android 12 Smooth

Octa-Core Power
Android 12 Smooth

Powered by the RK3588 octa-core processor (4 × A76@2.4GHz + 4 × A55@1.8GHz) with the Android 12 industrial OS, multitasking runs smoothly without lag. The 10.1-inch display provides ample workspace for multi-window dispatching and data visualization. Standard 8GB+128GB with a reserved M.2 2280 SSD slot, optional 16GB+256GB high-end version, easily handling video backhaul and cloud collaboration. Optional 4G global bands, 5G batch customization, and WiFi6 high-speed wireless keep you connected anywhere. Optional multi-OS support includes Ubuntu and Debian, flexibly adapting to diverse industry software ecosystems.

02

High-Res Bright
Display Outdoor
Strong Visibility

10.1-inch IPS 700cd/m²
Glove Touch Wet-Hand
Customizable

The 10.1-inch IPS panel delivers crisp 1920 × 1200 resolution, with 700cd/m² brightness remaining clearly readable under direct sunlight. Rubber-glove touch is supported for precise operation, and wet-hand touch can be customized on demand for rainy-day work. G+G construction with AF anti-fingerprint coating, hardness ≥7H, scratch-resistant for long-term use. Brightness customizable to 1000cd/m² ultra-bright for extreme glare, with standard-resolution versions flexibly selectable to fit different environments and budgets.

03

Triple-Proof+Explosion-Proof
Harsh Conditions No Fear

IP68 Optional Ex Version
1.22m Drop
-20 ° C~60 ° C

IP68 dust-tight and waterproof, surviving 1.22m drops. Optional Ex Class II petrochemical explosion-proof version for compliant use in petrochemical plants and oil-gas pipelines. Operating range -20 ° C to 60 ° C ensures reliable startup in extreme weather, with optional -30 ° C low-temperature customization for extreme cold. Certification upgrades available: KA Class I mining safety and MA Class I coal safety versions for underground mining access. The rugged industrial chassis with reinforced corners and sealed gaskets keeps out sand and dust, providing a stable, fatigue-free grip. Reliable quality, built to last.

04

Industrial Full
Interface
Plug and Play

Type-C+HDMI+RS232
+RJ45 Gigabit+POGO

Full industrial interface configuration: Type-C USB3.0 high-speed data transfer; USB-A connects flash drives and keyboards; Micro HDMI extends to large screens; RS232 serial port interfaces with industrial control equipment; RJ45 Gigabit Ethernet connects directly to PLCs and switches; 12-pin POGO PIN dock enables charging and expansion; 3.5mm headphone jack supports voice intercom. A reserved M.2 2280 SSD slot supports up to 4TB expansion. Ergonomic layout keeps ports clear in one-handed use, with dust plugs blocking dust and moisture. Paired with optional 2D scanning and fingerprint modules, it forms an integrated data collection and device control terminal.

Interface



» Usage Scenarios



» Accessories

