

Powerful IP68 Rugged Tablet **W10Y**



Product Protection

- Dustproof, waterproof, shockproof, explosion-proof

 Win11
  WiFi-6
  CPU
  GPS
  Camera

 NFC
  Interface
  ID
  1D/2D
  5G net

ODM ODM ODM ODM ODM



Large Battery

- 7.6V 5550mAh High-Voltage Li-ion Battery (Non-removable)



Configuration

- Core i5-10210Y quad-core processor



System

- Windows 11 optional: Windows 10、Ubuntu20.04.6/22.04.5、Debian12.10.0、Galaxy Kirin V10-2503



Temperature

- Withstands Extreme Temperatures: -20 ° C to +60 ° C



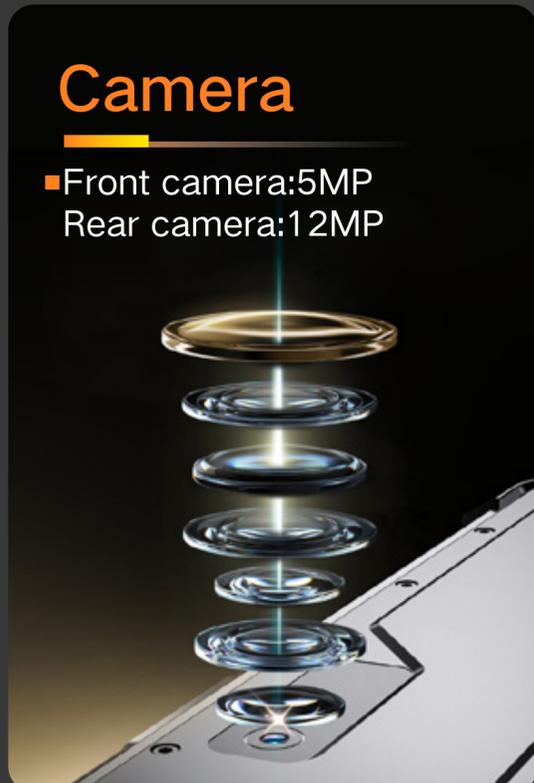
Positioning

- Optional GPS, BeiDou Galileo, GLONASS



Camera

- Front camera:5MP
Rear camera:12MP



Product form

Size /weight	Bare dimensions : 276.0*180.5*22.5mm/1214g In packaging : 371*213*61mm/1934g
Box specifications	Quantity: 10pcs/carton ; Dimension : 38.5*33*44.5cm ; Gross Weight : 20.2kg
Wall hole pitch / screw	154x71.5mm/ M3*4.5mm
Color	Black , color customizable
Screen size	10.1inch , 16:10
Resolution	IPS 1920*1200
Screen brightness	700cd/m ²
Tp touch screen	10-point touch G+G Corning Gorilla Glass, hardness 7H
Battery	7.6V 5550mAh high-voltage lithium battery, non-removable, Battery life ≥7 hours (playing 1080p HD video at 50% brightness and 50% volume) Supports custom large battery (10000mAh/7.6V)

System

System	Standard configuration: Windows 11 Optional: Windows 10, Ubuntu 20.04.6/22.04.5, Debian 12.10.0, Galax Kirin V10-2503
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Data collection

1D/2D scanner (custom function)	<p>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, UC-C/EAN- 128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey</p> <p>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, M-SI/MSI PLESSEY, GS1 DataBar OCR: Support OCR-A , OCR-B</p>
ID (Customisation)	Standard second-generation identity card
UHF (Customisation)	(optional) distance1 : ≤2M , Service frequency 840-960MHZ distance2 : ≤5M , Service frequency 860-960MHZ
NFC(ODM)	Supports 13.56 MHz protocols including 14443A, 14443B, and 15693
Fingerprint (ODM)	1: Ordinary industrial fingerprint 2: Fingerprint certified by the Ministry of Public Security 3: FBI certified fingerprint
RTK High-Precision Positioning (Customisation)	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

Other

Adapter	12V/4A , DC interface adapter
Accessories	Strap/Charging Dock/Stand (optional)

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
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Hardware configuration

Speaker, microphone	(speaker 1.2W/8Ω)*2 , MIC*1
CPU	Intel® Core™ i5-10210Y Quad-Core 8-Thread 1.0GHz – 4.0GHz
GPU	Intel® UHD Graphics for 10th Gen
RAM/ROM	8G+128GB (M.2 SSD)
TPM	Built-in TPM security chip
Gravity sensing	OK

camera

camera	Front camera: 5MP fixed focus Rear camera: 12MP auto focus
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Buttons

Buttons	Power button*1 , Volume keys*2 (Vol+ , Vol-) Custom keys*2 (P key, F key)
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Wireless connection

WIFI	WIFI 802.11(a/b/g/n/ac/ax) Frequency 2.4G+5.8G Dual frequency WIFI
Bluetooth	BT 5.2 (BLE) class1 transmit distance:10m
3G/4G (Customised)	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 (Customised)	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

Ports

Type -C	*1 , Type-C USB3.0
Type -A	*1 , Type-A USB.3.0
Earphone Jack	*1 , 3.5mm Standard Earpiece jack
TF Card	*1 , Maximum support 256GB expansion
SIM Card	*1 , Standard Micro SIM card slot
micro HDMI	*1
DC jack	*1 , 5V/3A 3.5mm
POGO pin	*1 , 12Pin USB+Charge
RJ45 jack	*1
DB9	*1 , RS232

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

Product Highlights

01 **Highly powerful** HD

DDR4 high-speed memory

Equipped with an Intel® Core™ i5-10210Y processor, based on the 10th Generation Intel Core architecture, featuring a quad-core, eight-thread design. This provides a robust computational foundation for multitasking, complex calculations, and performance-demanding applications. Coupled with DDR4 high-speed memory, it enables rapid loading of various programmes and data, minimising wait times. The M.2 solid-state drive not only delivers high read/write speeds, significantly reducing system boot times and file loading durations, but also features a hot-swappable design. This characteristic grants users considerable flexibility, facilitating straightforward replacement or upgrading of the solid-state drive.

02 **High-capacity battery** Battery

5500mAh/ 7.6V

Battery life remains a crucial metric for mobile devices. The W10Y features a 7.6V 5550mAh high-voltage lithium battery, delivering ≥7 hours of runtime when playing 1080p HD video at 50% brightness and 50% volume. This performance meets the demands of extended daily usage. Furthermore, this tablet supports a customisable 10,000mAh/7.6V high-capacity battery solution, offering greater flexibility for users with heightened battery life requirements. This ensures users need not worry about running out of power in scenarios such as outdoor activities.

03 **Robust Design** Hammer

IP68 protection

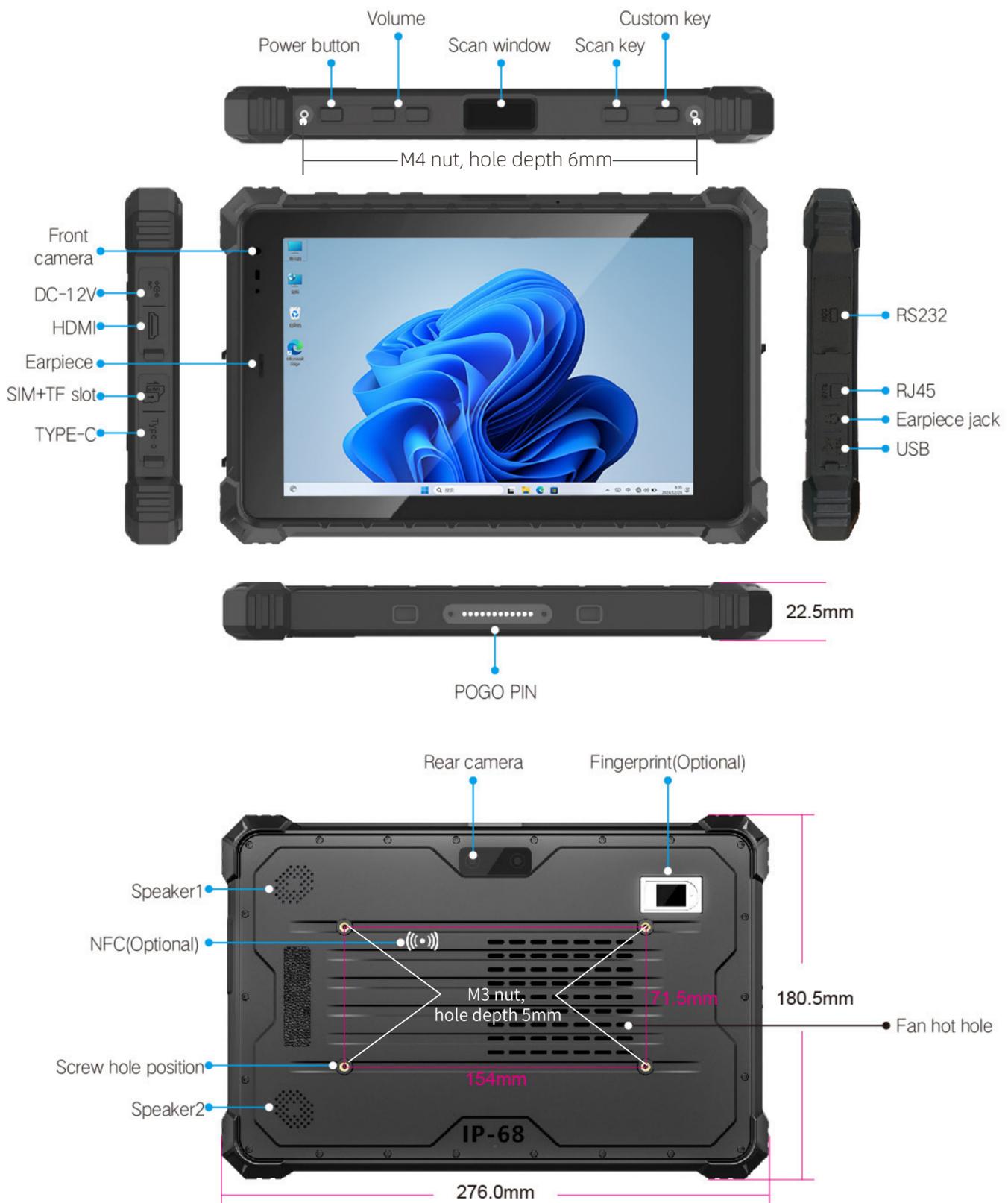
Meets the 1.22-metre drop test requirements of standards GJB 150.18A-2009, GJB 150.1A-2009, and MIL-STD-810H, capable of withstanding accidental impact from falls. Its operating temperature range is -20 °C to 60 °C, customisable to -30 °C to 60 °C, with a storage temperature range of -30 °C to 70 °C, customisable to -40 °C to 70 °C, making it suitable for diverse extreme environments. Furthermore, it boasts an IP68 protection rating, providing effective dust and water resistance. It has also obtained multiple authoritative certifications including 3C, CE, MIL-STD-810H, energy efficiency certification, ISO quality certification systems, ROHS compliance, and triple-proof salt spray testing.

04 **Exceptionally tactile** Touch

10-point touch Hardness ≥7H

The W10Y features a 10.1-inch 16:10 screen with a resolution of 1920 × 1200, delivering crisp, detailed visuals. With a high brightness of 700 cd/m², it ensures outstanding display performance across all lighting conditions. The TP touchscreen supports 10-point touch with a hardness rating of ≥7H, offering excellent wear resistance. It also supports operation with medical rubber gloves, making it highly suitable for professionals in specialised sectors such as healthcare. Additionally, it can be customised with a wet-hand touchscreen function to accommodate more complex operating environments.

Interface



» Usage Scenarios



Rescue Dispatch



Power Inspection



Vehicle maintenance



Coal mining



Site Scheduling



Rally Data Monitoring

» Accessories

Two-point harness (optional)



Two-point carry handle (optional)



Vehicle mount (optional)



Crossbody bag (optional)



Four-point harness (optional)



Charging dock (optional)

