

GPT-TRW30U Rugged Tablet PC



Performance Upgrade



Performance

- 12th Gen® Intel® Core™ i5/i7 processor
- Intel® Iris® Xe Graphics eligible
- Supports Windows 11/10 OS

Function

- 13.3-inch HD&HB screen, the back features a rotating handle
- Versatile Interface, USB, HDMI, RJ45, RS232, etc.
- Dual intelligent disassembly battery: Single battery 3000mAh*2, 11.4V
- Optional NFC, Fingerprint module, 2D barcode scanner

Communication

- High speed Wi-Fi 6
- Supports 4G/5G
- Bluetooth 5.2 for higher transfer speeds

Reliability

- IP65 high protection level, 1.22m drop resistant
- In accordance with MIL-STD-810H
- Explosion-proof (Intrinsically Safe) ATEX Ex
 - II 2G Ex ib op is IIC T4 Gb
 - II 2D Ex ib op is IIC T130°C Db

Product Six Views



*The technical specifications of this product are subject to change without prior notice.

Specification Parameter

Basic parameters

Size/Weight	345.0mm*233.0mm*35.2mm(excluding handle: ±5 mm) Weight: 2076.3 g (excluding handle: ±10 g)
Device Color	Black
LCD	13.3-inch high-definition LCD screen: 1920*1080 resolution Opt. 3840*2160 400 brightness, Opt. 1000 brightness highlight.
Touch Panel	10 point G+F capacitive touch screen, Hardness above 7H; Scratch-resistant; Supports glove touch
Camera	Front: 8.0 MP fixed focus camera Rear: 12.0 MP autofocus camera with flash support, Opt. 16.0MP
I/O	*1, Type-A USB3.0 *2, Type-A USB2.0 *1, 3.5mm standard headphone jack *1, supports up to 256GB expansion *1, Nano-SIM card slot *1, HDMI *1, 19V-3.42A (DC plug OD 5.5mm ID 2.1mm) *1, 100/1000M *1, RS232 serial port (optional 232/422/485 protocol) *1, 14Pin USB+Charging Reserve Air-Plug Interface: 1*Power Input Air-Plug Interface, 1*USB2.0 Air-Plug Interface, 1*COM Air-Plug Interface Expandable, Integration of Customer Modules, Customizable Function Interfaces
TPM	Built-in TPM security chip
Keys	On/off key, brightness +/-, menu key P1, P2 (scanning key) Customized function keys
Gravity sensor	Support

Battery (Dual Battery Removable)

Capacity	Single battery 3000mAh*2, 11.4V
Type	Li_polyment, removeable battery
Endurance	6 hours and 30 min(playing 1080P video, conditions: 300 lumens at room temperature, 70dB at 30cm)

Reliability

Operate Temperature	-20 °C ~ 60 °C
Store Temperature	-30 °C ~ 70 °C
Humidity	95% Non-Condensing
Certifications	IP65, 3C, CE, U.S. , MIL-STD-810H certification, ISO, ROHS, ATEX, UL 62368-1:2025 by TÜV SÜD America (NRTL)
Drop Height	1.22m

Performance parameter

CPU	Intel® Core™ i5-1235U/i7-1255U
OS	Windows 11/10; Ubuntu 22.04.5
RAM	16GB up to 48GB
ROM	256GB SSD Optional up to 2TB

Data Collection (all optional)

NFC	13.56MHZ, support 14443A/14443B/15693 protocols, etc.
Fingerprint	FBI certified fingerprints; login SPI interface
1D/2D Barcode	SE4107 2D scan engine with 1280×960 sensor, 44.5°(H)/33.5°(V) field of view and ≥20% print contrast, featuring a green aiming dot and warm white LED illumination. Supports a full range of 2D and 1D symbologies including QR Code, Data Matrix, PDF417, Aztec, Code 39/128/93, EAN/UPC and GS1 DataBar, as well as composite codes, international postal codes and OCR (OCR-A, OCR-B, travel documents, MICR and US currency serial numbers).
ID Card	Standard second-generation offline Ministry of Public Security certified ID card reader module
UHF	2 options: Within 2 meters, operating frequency 840-960MHz Within 5 meters, operating frequency 860-960MHz

Communication

WIFI	Built-in WIFI 802.11 b/g/n/ax , Wifi6
Bluetooth	BT5.2 Transmission distance: 10m
2G/3G/4G/5G (optional)	GPS, Beidou, Galileo, GLONASS, Optional Single-System BeiDou Positioning GSM : B2/B3/B5/B8 ; WCDMA : B1/2/4/5/6/8/19 ; CDMA : BCO/BC1/BC10 FDD : B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66/71 TDD : B34/38/39/40/41 5G NSA : N1/2/3/7/12/20/25/28/38/40/41/66/71/77/78/79 5G SA : N1/2/3/5/7/8/12/20/25/28/38/40/41/66/71/77/78/79

Other

Optional Accessories	Docking station; vehicle mount; carrying bag; shoulder strap
Power adapter	19V-3.42A, DC power adapter
Speaker Microphone	*2, Speaker, 2W/4Ω *1, MIC
Optional ATEX Certification	II 2G Ex ib op is IIC T4 Gb II 2D Ex ib op is IIIC T130°C Db

Application Range

Various modules and accessories can be selected to meet customers' application in various industries.



Outdoor Exploration



Manufacturing Industry



Finance



Animal Husbandry

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