TPC-A100

10.1" Intel® 12th-generation N Series processor

Rugged handheld tablet



Features:

10.1" 500 nits 800*1280 TFT LCD full lamination

10.1" ten-point capacitive touchscreen

Intel® 12th-generation N Series processor

8GB LPDDR5(optional 16GB)

60.8WH high-capacity removable lithium-polymer battery, battery life >8 hours

front camera 5MP/ rear camera 8MP

dual-band WIFI +BT5.1/GPS+BD+GLONASS+Galileo

gravity sensor / compass

optional 2D/ fingerprint recognition /NFC or RFID

optional 4G/5G communications

TYPE-C/USB3.0/COM/LAN/Mini HDMI/TF/Pogo pin

IP65 protection for the complete unit,1.2 m drop protection

fanless design

Specifications:

System

processor	Intel® 12th-generation N Series processor N100/N150/N200/N250	Memory	onboard 8GB LPDDR5(optional 16GB, MOQ)
Buttons	power button, volume +/-, scan button, custom button	Storage	128GB(expandable M.2 NVME SSD 256GB/512GB/1TB)
speaker	8 ohm 2 W BOX speaker	microphone	single microphone
camera	5MP front camera fixed focus,8MP rear camera autofocus with flash	Sensors	gravity sensor, compass
LED	red/green dual-color charging indicator		

Display

Display	10.1" TFT-LCD	brightness	500nit, optional 1000nits
resolution	800*1280, optional 1200*1920	touchscreen	ten-point capacitive touchscreen, Hardness 6H(optional AR+ wet-hand+glove touch)

Operating system

Operating system	Windows 10/11

I/O interfaces

USB	1*TYPE C(full function),1*USB3.0 TYPE A	Display	1*Mini HD
Serial	1*RS232	Audio	2 in 1 Audio
LAN	1*100/1000M auto-negotiating LAN port	Pogo pin	12Pin Pogo pin(USB+ charging)
SIM/TF	Internal combined SIM/TF slot (under the battery compartment)	Circular connector	optional Circular connector DC input (optional IP67)

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Wireless communications

WIFI	802.11 a/b/g/n/ac, dual-band 2.4+5.8GHz	4G/5G communications	optional China 4G communications, optional other global bands, optional 5G communications
Bluetooth	Bluetooth 5.1		
GNSS	GPS+BD+Galileo+GLONASS		

Expansion functions (optional)

NFC	optional 13.56MHz, supports ISO 14443A/14443B/15693 proto-	barcode scan	optional 2D barcode scanning, Honeywell / Newland
RFID	col	fingerprint recognition	optional fingerprint recognition,500DPI
	optional LF/HF RFID(choose either this or NFC)		

Power

power input	19V/3.42A TYPE C/DC5.5*2.5 input	battery life	8 hours (500nit brightness, 50% volume, 1080P video playback)
	standard 19V/3.42A DC5.5*2.5 power adapter		
Battery	60.8WH,4000mAh,15.2V removable lithium battery		

Environment

Vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	Operating temp.	-10°C~50°C airflow over surface
Shock	10g acceleration, 11ms duration	Storage temp.	-30°C~70°C
Reliability	MTBF≥30000h;MTTR≤0.5h	Operating humidity	95% @40°C, non-condensing
IP rating	Complete unit IP65	Drop	1.2 m free drop onto a wooden floor

Physical

Dimensions (W x H x D)	274mm*181mm*23mm	Material	Plastic housing; fanless design
Weight	1.25kg	Standard accessories	hand strap / TYPE C OTG cable
Color	Black	Optional accessories	capacitive stylus / dock / vehicle mount / vehicle charger /TYPE C data cable

Ordering information:

Model	CPU	Memory	Storage	resolution	brightness	camera	WIFI/BT	4G	GPS	NFC	2D	fingerprint	Notes
TPC-A100-GS01	N100	8GB	128GB	800*1280	500nit	5+8MP	√	×	√	×	×	×	N100 wifi
TPC-A100-GS02	N100	8GB	128GB	800*1280	500nit	5+8MP	√	√	√	×	×	×	N100 4G
TPC-A150-GS01	N150	8GB	128GB	800*1280	500nit	5+8MP	√	×	√	×	×	×	N150 wifi
TPC-A150-GS02	N150	8GB	128GB	800*1280	500nit	5+8MP	√	√	√	×	×	×	N150 4G
TPC-A200-GS01	N200	8GB	128GB	800*1280	500nit	5+8MP	√	×	√	×	×	×	N200 wifi
TPC-A200-GS02	N200	8GB	128GB	800*1280	500nit	5+8MP	√	√	√	×	×	×	N200 4G

Product Six Views:

