

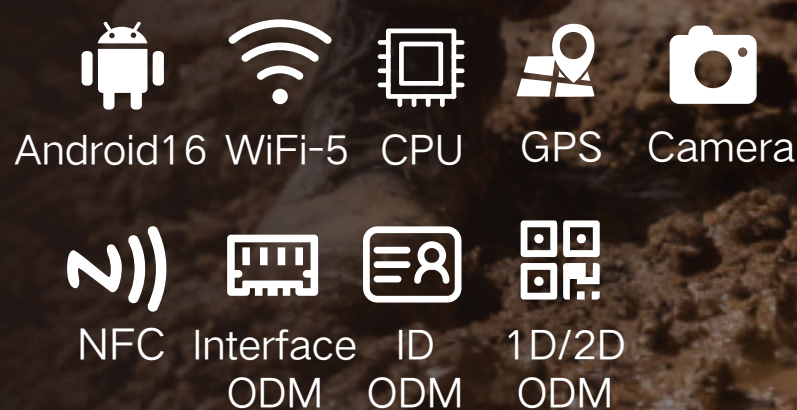
Ultra-Slim Industrial Tablet

A18ST 4G



Product Protection

- Dustproof, waterproof, shockproof, explosion-proof



Temperature

- -20 ~ +60°C



Configuration

- CPU MT6769, 8-core, 2.0GHZ



Wireless network

4G: One Step Ahead ■



Large Battery

- 10000mAh, high-capacity battery



Sleek Design

- 20mm thick weighing just 859g



Weight:859g

Camera

- Front camera:8MP
Rear camera:16MP



Product form	
Configure	4+64G HD Highlight 8+128G FHD Highlight
Customized	4+64G FHD Highlight 8+128G HD Highlight
Size /weight	Bare dimensions：253x172x20mm/859g In packaging：340*185*47mm/1475g
Box specifications	Quantity：10pcs/carton；Dimension：50*35*20cm；Gross Weight：15.4kg
Wall hole pitch / screw	200x120mm/ M3*4.5mm
Color	Black , color customizable
Screen size	10.1inch , 16:10
Resolution	IPS 1280*800 /1920*1200
Screen brightness	700cd/m², can be customized1000cd/m²
Tp touch screen	10-point touch G+G Corning Gorilla Glass 3, hardness 7H
Battery	10000mAh, 3.8v high voltage lithium battery, non-removable, battery life ≥ 10h (playing 1080P HD video, 50% brightness and 50% sound)Battery life ≥6h (playing 1080P HD video, 100% brightness and 100% sound) Supports custom large battery (20000mAh/3.8V)

Data collection	
1D/2D scanner (ODM)	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 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
ID (ODM)	ID card reader module
UHF (ODM)	(optional) distance1：≤3M , Service frequency 840-960MHz distance2：≤5M , Service frequency 860-960MHz distance3：≤15M , Service frequency 840-960MHz
Fingerprint (ODM)	1: Ordinary industrial fingerprint 2: Fingerprint certified by the Ministry of Public Security 3: FBI certified fingerprint

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	Type-C 30W Rapid Power Adapter
Optional Acc.	Strap/Charging Dock/Stand/DC adapter

Explosion-proof information	
Explosion-proof version	EX Class II Petrochemical Explosion-Proof

Hardware configuration	
Speaker, receiver, microphone	(speaker 1.2W/8Ω)*2 , MIC*1 , receiver*1
CPU	MT6769 , octa core , 2.0GHZ
RAM/ROM	4+64GB /8+128GB
Gravity sensor	OK
compass	OK
Gyro	OK
Light sensor	OK
Distance sensor	OK
Fm Radio	OK

System	
System	Android 16

Camera	
camera	Front camera: 8MP fixed focus (custom16MP) Rear camera: 16MP auto focus 1A true flash

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

Wireless connection	
WIFI	WIFI 802.11(a/b/g/n/ac) Frequency 2.4G+5.8G WIFI5, Customisable Wi-Fi 6
Bluetooth	BT 5.0 (BLE) class1 transmit distance:10m
2G/3G/4G	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B4/B5/B6/B8/B19 CDMA:BC0/BC1/BC10 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28/B66
Positioning	GPS, Beidou, Galileo, GLONASS , Optional Single-System BeiDou Positioning
NFC	I²C 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	
TYPE-C	*1 , USB2.0,Support PD & OTG
Type -A	*1 , USB2.0
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 DC Plug: OD 3.5mm, ID 1.35mm
POGO pin	*1 ,12Pin USB+Charge

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

HD

10.1-inch screen

IPS 1920*1200
700cd/m²

Featuring a 10.1-inch touchscreen with core performance tailored to practical needs: supports operation with medical rubber gloves and adapts to high-frequency use across multiple scenarios. Screen hardness ≥7H ensures scratch and wear resistance, minimising marks during prolonged use. Standard specifications include 1920 × 1200 high-definition resolution and 700 cd/m² high brightness, maintaining clarity even in bright light environments without requiring shaded operation. Flexible customisation options are also available: Optional 1280 × 800 standard displays balance cost, while 1000 cd/m² ultra-bright screens can be customised for extreme glare conditions. Wet-hand touch functionality is also available for humid working environments.

02

Battery

High-capacity battery

10000mAh/
3.8V

Standard configuration: 10,000mAh/3.8V high-voltage lithium battery paired with an intelligent battery management system. This not only precisely regulates charging and discharging cycles but also effectively prevents overcharging, over-discharging, and low-temperature power depletion, thereby extending the battery's cycle life. In practical testing, it delivers ≥10 hours of runtime during 1080P HD video playback (50% brightness + 50% volume), providing dependable endurance support for diverse usage demands. Customised explosion-proof battery solutions are also available to meet critical emergency scenarios.

03

Robust Design

IP68 protection

The A18ST demonstrates outstanding durability, having passed IP68 protection certification and a 1.2-metre free-fall test, enabling it to effortlessly withstand harsh environments such as dampness and dust. Strictly conforming to both Chinese and US military standards for product durability, it features an ultra-wide operating temperature range of -20 ° C to 60 ° C (customisable to -30 ° C to 60 ° C). Additionally, it supports explosion-proof certification, having obtained domestic petrochemical certification alongside international ATEX and IECEx explosion-proof certifications. This ensures reliable equipment operation in extreme hazardous scenarios such as chemical plants and mines, meeting critical operational requirements.

04

Customised Services

Multiple modules available

We provide professional and robust module customisation services, enabling precise tailoring of core components including 1D/2D bar-code scanning, UHF/HF/ low-frequency radio frequency modules, ID card recognition modules, fingerprint capture modules, and RTK high-precision positioning modules. These solutions are deeply tailored for diverse industry scenarios including mining, manufacturing, transportation, healthcare, and surveying, precisely addressing core operational requirements such as identity verification, data collection, and location tracking. Additionally, we provide end-to-end private module installation services to resolve specific pain points in specialised scenarios.

Interface



Usage Scenarios



Accessories

