
AIDC GO TX-41

Rugged tablet

Detailed technical reference

Detailed technical tables and diagrams are retained in this reference.

Configuration, accessories and regional options are confirmed through AIDC GO.



AIDC GO TX-41 | Technical reference

Configuration, accessories and regional options are confirmed per project.

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 11, Android 13(GMS)
Memory (ROM+RAM)	64GB + 4GB (standard)
SIM	Two out of three SIM card slots, support dual SIM and dual standby * Two out of three SIM card slots: two cards can be held at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card
Expansion Slot	Micro SD card (up to 256 GB)
Display Screen	10.1-inch, resolution: 1920* 1200 pixels
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch
Camera	13 megapixels rear camera, support auto-focus/PDAF; 8 megapixels front camera
Flashlight	800mA flashlight
Keypad	4 keypads in total: scan key *1, power key *1, volume key*2
Battery	3.85V lithium battery, with 10000mAh, detachable, back-up battery support
Audio	Built-in dual microphone
Charging Method	Type-C charging and pin-port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/high power speaker/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/Proximity sensor/Light sensor/Geomagnetic sensor/ Gyroscope
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	244.8mm *163.6mm *14.9mm
Weight	879g (including the battery)

Environmental Parameter

Working Temperature	-10°C - 50°C *Do not charge under low temperature conditions for the safety Concerns
Storage Temperature	-30°C - 70°C (without battery)
Humidity	10%- 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.2m
Roller Drop Specification	300 times of roller drops from a height of 0.5 meter
Ingress Protection	IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional barcodes
Scanning Accuracy	≥3.33mil
Scanning Angle	Pitch: ±60°; Skew: ±45°; Tilt: 360°
View Angle	Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51°
Motion Error Tolerance	8m/s

Communication Transmission

WWAN (Network Frequency)	2G:B2/B3/B5/B8 3G:WCDMA: B1/B2/B5/B8 4G:B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B28A/B28B/B34/B38/B39/B40/B41
WWAN (Data Service)	GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TDD-LTE/FDD-LTE
WLAN Function	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support fast roaming
Bluetooth	Bluetooth 5.0
GPS	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

NFC (Standard)

Working Frequency	13.56 MHz
Reading Distance	Within 60 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	iScan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Communication Interface

USB Interface	Type-C 3.0 (with headset function) *1, Type-A USB 2.0*1, Micro HDMI interface *1
OTG Interface	Support

Accessories (More details in accessories guide)

Standard Accessories	USB cable*1, device-back strap *1, power adapter*1, battery*1
Optional Accessories	Charging dock, extension dock, protective film, multifunctional cradle(square U-bolt clamp), multifunctional cradle(round U-bolt clamp)

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Configuration, accessories and regional options are confirmed per project.

Each product comes with a pack of practical and cost-effective accessories

USB Cable

Type-C to USB cable, 1m in length, support charging and data transmission



CHA-USBC-GNR

Device-back Strap

Attach on the device back to help you hold the device easily and firmly, avoid accidental drops



Power Adapter

Input voltage 100-240V, output 9V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

ps: you may have one of the power adapters



Battery

10000mAh, detachable design

ps: every product comes with 1 unit, you can purchase extra unit



Accessories Guide

Improve management efficiency of devices and operational level of enterprises

Charging Dock

Support charging for 1 main unit. The device starts charging when matching with CHA-USBC-GNR and CHA-



Extension Dock

Support charging for 1 main unit+1 battery at the same time. Support 3 Type-A interfaces, 1 Type-B interface, 1 RS232 interface, 1 RJ45(1000Mbps)interface. It can be used to expand other accessories.



Enhance user experience and improve working efficiency

Multifunctional Cradle (Square U-bolt clamp)

The U-bolt clamp is square-shaped, and the joint can be rotated flexibly. This cradle is able to mount the tablet onto workstations, IPCs, and vehicles to improve working efficiency.



Multifunctional Cradle (Round U-bolt clamp)

The U-bolt clamp is round-shaped, and the joint can be rotated flexibly. This cradle is able to mount the tablet onto workstations, IPCs, and vehicles to improve working efficiency.



Accessories Guide

Lower risks of malfunction during usage, extend the lifespan of devices

Protective Film

Protective film for touchscreen. It can protect the screen from cracking or being scratched in case there's any accidental drops or impact during usage

