

Android Rugged Tablet

Actis 8 Rugged

Improve Productivity
for Mobile Workers
Even in Extreme
Conditions



OS

Android 12



Performance

Octa-Core Processor



Wireless

WiFi, Bluetooth



Battery

Long-lasting 8000mAh



Operating Temp.

-10°C to 60°C



Camera

20MP Autofocus with flash
8.0MP Front camera(Optional)



Display

8" IPS
(1280x800)



Drop Resistance

Multiple 1.2 m (4 ft)
drops per MIL STD 810G

Cradle Design

RJ45, RS232 interface and OTG supported



RS232 x 2
RS485 x 1
GPIO x 4

Video input (Support 1 AHD or analog camera)
Camera Hub (Support up to 4 1080p camera input and with HDD loop recording capacity)

Network

2G / 3G / 4G with voice; Proved reliability network connection

Extended Features

Barcode reader
Lora module to connect wireless Lora temp sensor

MDM Remote Control Server

The device management server is developed to allow customer to update different firmware and make kiosk mode

MDM server function:

- BOOT ANIMATION
- ADD APN
- INSTALL APK
- DEFAULT SETTING
- CUSTOMIZED BUTTON

Actis 8 Rugged tablet

(version 2023)



Navigation & Tracking

Specification

PERFORMANCE CHARACTERISTICS

CPU	2.0GHz Octa Core Processor
OS	Android 12 with GMS or without GMS
Memory	4GB LPDDR4X 32GB eMMC

PHYSICAL CHARACTERISTICS

Dimensions	207mm L x 137.5mm W x 15mm D
Weight	528g
Display	8inch, IPS panel (1280 x 800 pixel)
Touch Panel	Capacitive multi-touch / Glove, Wet, Stylus
Backlight	LED Backlight
Power	Rechargeable Lithium-ion Battery 3.8V 8000mAh
Expansion Slot	User accessible micro SD card slot (standard supports up to 512GB)
SIM	2 x Nano-SIM
Interface	Docking Connector (18-pin) 1xUSB Type C 2.0 OTG 1x3.5mm Audio Headphone Jack 2xUSB Type A 2.0 OTG on the cradle 1xRJ45 Connector on the cradle 1xType C on the cradle for power supply
Notification	Audible tone, Charging Status LED
Voice / Audio	Speaker, Microphone, headphone
Keypad	On-screen keypad

WIRELESS WAN DATA AND VOICE COMMUNICATION

Radio Frequency	GSM: 850/900/1800/1900MHz WCDMA: B1/B2/B4/B5/B8 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28 LTE TDD: B38/B40/B41
GNSS	GPS, GLONASS, GALILEO
External GPS antenna	Yes, MMCX

WIRELESS LAN

Radio	802.11 a/b/g/n/ac; 802.11 d/e/h/i/j/k/r/v/w
Data Rate	5GHz: 802.11a/n/ac — up to 500 Mbps; 2.4GHz: 802.11b/g/n — up to 144Mbps
Security and Encryption	WPA WPA/WPA2 Personal, AES-CCMP, WPI-SMS4, GCMP, WPS2.0, WAPI (hardware)

WIRELESS PAN

Bluetooth	v2.1+EDR, 3.0+HS, v4.1+HS
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WIRED LAN

Ethernet	Support (w/Cradle)
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DATA CAPTURE

Scanner (Optional)	1D&2D Imagers
Front Camera (Optional)	8.0MP
Rear Camera	20MP PDAF with LED flash
Video Input (Optional)	Support one channel AHD 720P,1080P and analog camera (w/Cradle) Support four channels AHD 720P,1080P and analog camera (w/Camera Hub)
NFC	Supported TAG-ICs: MIFARE Classic 1k/4k/Plus, MIFARE UltraLight MIFARE UltraLight C, MIFARE DESFire MIFARE DESFire Ev1, ISO 14443 A & B ISO 15693
Serial Communication	2 x RS232 2 x RS485

SENSOR

Light Sensor	Ambient Light
Motion Sensor	Accelerometer, E-Compass, Gyroscope

USER ENVIRONMENT

Operating Temp.	-10°C to 60°C / -14° F to 140° F
Storage Temp.	-20°C to 70°C / -4°F to 158°F
Humidity	90% non-condensing
Drop Spec.	1.2m / 4 ft. to drop per MIL STD 810G
Sealing	IP67
Electrostatic Discharge (ESD)	+/-8kVdc air discharge +/-4kVdc direct discharge +/-4kVdc indirect discharge

OPTIONAL ACCESSORIES

Vehicle docking station
Metal dash mount
NFC reader at docking station
Extra input and output at docking station
* Specification is subject to change.