

.XRT-23A0801

8" Android Rugged Tablet with MTK Octa-Core Processor

Overview

Intronix Systems rugged tablets are crafted to withstand the harshest industrial environments, providing mobile solutions that increase productivity, enhance safety, and reduce operational costs. The XRT-23A0801 is equipped with the Android 11 operating system and an 8-inch screen supported by stylus, glove, and wet-touch modes. It also features an integrated IPS 700-nit screen for clear visibility and operational comfort, regardless of the weather or application.

Features

- MTK MT6771 Octa-Core processor
- Android 11 operating system
- Supports 1D, 2D barcode reader, NFC, RFID, fingerprint (optional)
- Supports 4G, WLAN, BT, and GNSS
- Rich I/O interfaces including : RS-232, RJ45 Ethernet, USB, HDMI
- Removable high-capacity battery design
- IP67 and MIL-STD-810H certified



Android 11



Fingerprint



Barcode 2D



10000mAh



IP67



RFID

I/O Interfaces



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Specifications

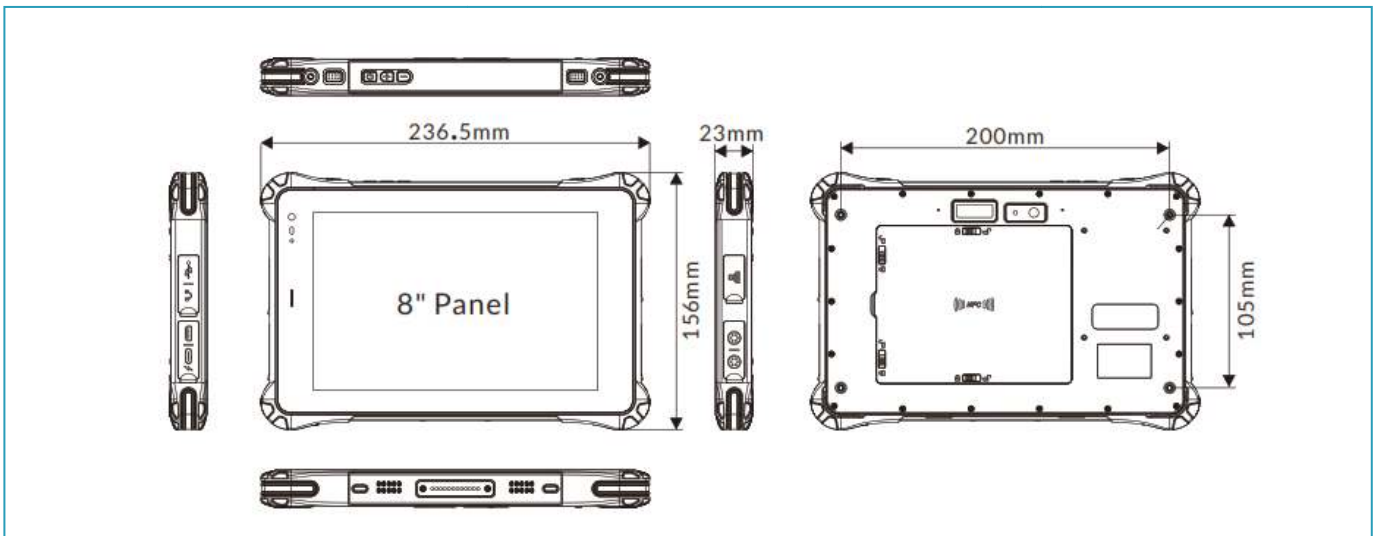
DISPLAY	
Size	8-inch
Touch type	G+G Capacitive multi-touch screen, gorilla glass, hardness 7h
Resolution	800 x 1280
Luminance	700 nits
Contrast ratio	1200:1
View angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.7M
SYSTEM	
CPU	MTK MT6771, ARM Cortex-A73 Quad-Core 2.0 Ghz, ARM Cortex-A53 Quad-Core 2.0 GHz
Memory	4GB LDDR4 (optional 6GB)
Storage	64GB EMMC (optional 128GB)
Graphics	ARM Mail-G72
Operating System	Android 11
Camera	Front : 5MP fixed-focus camera Rear : 13MP autofocus camera with flash
Sensor	Compass, Gyroscope, G-sensor, Light sensor
I/O PORTS	
USB	1x USB 2.0 Type A 1x USB 2.0 Type C (supports power charging and data transfer)
Ethernet	1x RJ45 10/100M
Display	1x Mini HDMI
Audio	1x 3.5mm audio combo Jack
SIM card slot	1x Micro SIM card slot
TF card slot	1x TF card slot, up to 256GB
Aviation plug	2x Aviation plug (choose two out of three from USB, RS-232 or DC-in)
Docking connector	1x 12-Pin
Audio	
Speaker	8Ω/1W, dual stereo speaker
MIC	Built-in microphone
Communication	
Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac), dual band (2.4G + 5.0G)
Bluetooth	Bluetooth V4.2
Cellular	GSM : B2/B3/B5/B8, WCDMA : B1/B2/B5/B8 TD-SCDMA : B38/B39/B40/B41 CDMA2000 : BC0/BC1 FDD : B1/B3/B5/B8/B20/B28a/B28b or B2/B4/B7/B17 TDD : B34/B38/B39/B40/B41
GNSS	GPS, GLONASS, BeiDou
DATA COLLECTION (optional)	
NFC	13.56 MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare
RFID	UHF RFID, supports PR9200
Barcode Reader	1D, 2D barcode reader
Fingerprint	FBI/ISO/GA Certification
ENVIRONMENT	
Power adapter	Input AC : 100-240V, 50-60Hz Output DC : 5V 3A

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Operating temperature	-10°C to 50°C (14 to 122°F)
Storage temperature	-20°C to 60°C (-4 to 140°F)
Relative humidity	95% @ 40°C (104°F), non-condensing
Vibration	MIL-STD-810H : 2022 Method 514.8 Procedure I
Drop	MIL-STD-810H : 2022 Method 516.8 Procedure IV, 4
IP Rating	IP67
BATTERY	
Battery type	Removable lithium-ion polymer battery, 3.8V 10000mAh
Battery life	8 hours
MECHANICAL	
Dimensions (W x D x H mm)	236.5 x 156 x 23 mm (9.31 x 6.14 x 0.91 inches)
Weight (kg)	850g (1.87lbs)
CERTIFICATION	
EMC	CE, FCC
PACKING LIST	
Packing	1x XRT-23A0801, 1x Battery, 1x Hand-Strap, 1x Power adapter

Dimensions



Ordering Information

Ref.	Description
XRT-23A0801/6128/4GN/A11	800x1280, 700nits, MT6771, 6GB + 128GB, Wi-Fi, Bluetooth, 4G, GPS, 3.8V@10000mAh Battery
XRT-23A0801/6128/4GN2D/A11	800x1280, 700nits, MT6771, 6GB + 128GB, Wi-Fi, Bluetooth, 4G, GPS, 3.8V@10000mAh Battery, 2D Barcode