

.XRT-23A0802G1

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-23A0802G1 is equipped with the Android 12 operating system and an 8-inch screen supported by stylus, glove, and wet-touch modes. It also features an integrated IPS 500-nit screen for clear visibility and operational comfort, regardless of the weather or application.

Features

- MTK MT6769 Octa-Core processor
- Android 12 operating system
- Supports 1D, 2D barcode reader, NFC, RFID, Fingerprint
- Supports 4G, WLAN, BT, and GNSS
- Corning Gorilla Glass III, optional AG/AF/Wet touch/Glove
- High-capacity battery design
- IP65 and 1.2m drop resistance



Android 12



Fingerprint



Barcode 2D



High-capacity



IP65



RFID

I/O Interfaces



.XRT-23A0802G1

8" Android Rugged Tablet with MTK Octa-Core Processor

Specifications

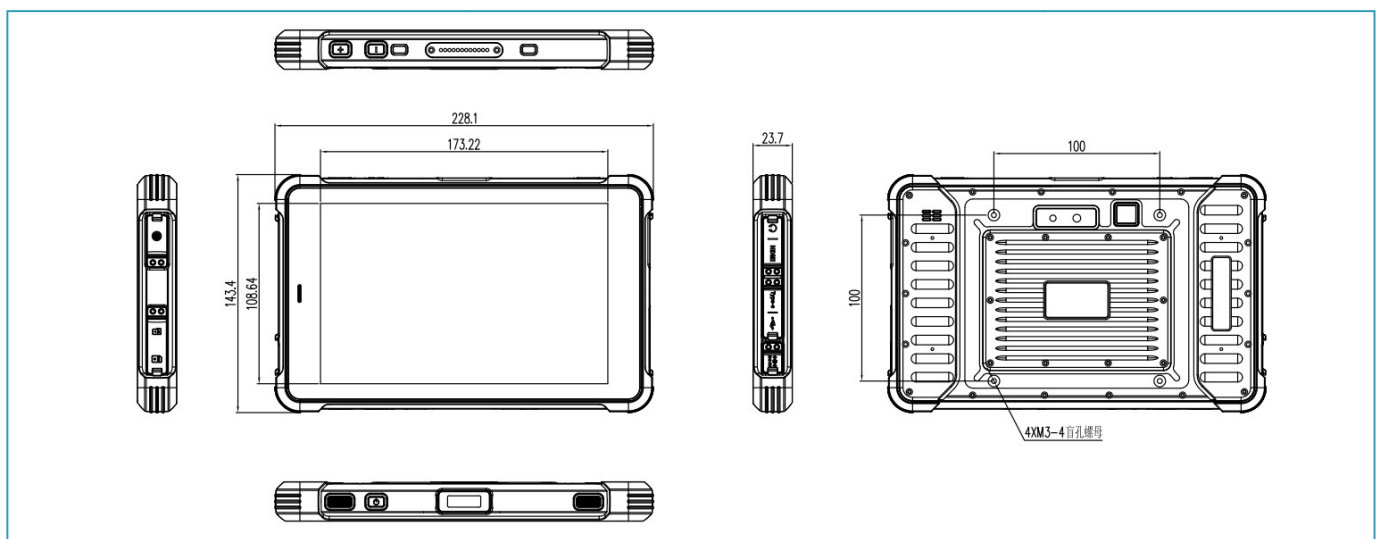
DISPLAY	
Size	8-inch
Touch type	G+G Capacitive multi-touch screen Gorilla glass III, Hardness 7h Optional AG+AF+Wet Touch/Glove
Resolution	800 x 1280
Luminance	500 nits, optional 1000nits
SYSTEM	
CPU	MTK MT6789 ARM Cortex-A75 Dual-Core 2.0 Ghz ARM Cortex-A55 Hexa-Core 1.7 GHz
Memory	6GB LDDR4
Storage	64GB EMMC
Graphics	ARM Mail-G57 MC2
Operating System	Android 12
Camera	Front : 5MP fixed-focus camera Rear : 13MP autofocus camera with flash
Sensor	Compass, Gyroscope, G-sensor, Light sensor, Distance sensor, Barometer
I/O PORTS	
USB	1x USB 2.0 Type A 1x USB 2.0 Type C (supports power charging and OTG)
Audio	1x 3.5mm headphone Jack
SIM card slot	1x Micro SIM card slot
TF card slot	1x TF card slot, up to 1T
Aviation plug	1x Aviation plug (optional 1x RS232/DC/LAN/USB)
Docking connector	1x 12-Pin
AUDIO	
Speaker	8Ω/1W, single speaker, IP67 waterproof
MIC	Built-in microphone, IP67 waterproof
COMMUNICATION	
Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac), dual band (2.4G + 5.0G)
Bluetooth	Bluetooth V5.0
Cellular	GSM : B2/B3/B5/B8, WCDMA : B1/B2/B5/B8 CDMA2000 : BC0 FDD : B1/B3/B5/B8/B20/B26/B28a/B28b TDD : B34/B38/B39/B40/B41
GNSS	GPS, GLONASS, BeiDou, Galileo
DATA COLLECTION (OPTIONAL)	
NFC	13.56 MHz, supports ISO/IEC 14443A / 14443B
RFID	LF/HF/UHF
Barcode Reader	1D, 2D barcode reader
Fingerprint	Fingerprint module
ENVIRONMENT	
Power adapter	DC : 5V 3A with charger Customizable: 5-24VDC, battery-free mode
Operating temperature	-10°C to 50°C
Storage temperature	-30°C to 70°C (excluding battery)
Relative humidity	95% @ 40°C, non-condensing

.XRT-23A0802G1

8" Android Rugged Tablet with MTK Octa-Core Processor

Vibration	Meet MIL-STD-810H : 2022 Method 514.8 Procedure I
Drop	1.2m drop resistance to wooden floor
IP Rating	IP65, optional IP67
BATTERY	
Battery type	Removable lithium-ion battery, 3.8V 9800mAh
Battery life	12 hours (Play 1080P video under 100% brightness)
MECHANICAL	
Dimensions (W x D x H mm)	227 x 142.4 x 22.9mm
Weight (kg)	800g
CERTIFICATION	
EMC	CE
PACKING LIST	
Packing	1x XRT-23A0802G1, 1x Hand-Strap, 1x OTG Cable, 1x Power Adapter

Dimensions



Ordering Information

Ref.	Description
XRT-23A0802G1/664/4G/A12	8", 800x1280, 500nits, MT6789, 6GB+64GB, Wi-Fi, Bluetooth, 4G, GPS, 3.8V@9800mAh Battery, Android 12