

.XRT-25A1001D1

10.1" Android Rugged Tablet with MT8781 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-25A1001D1 is equipped with Android 16 operating system and an 10.1-inch screen that supports stylus, glove, and wet-touch modes. It also features a 700-nit IPS display for clear visibility and comfortable operation in any weather or application.

Features

- MTK MT8781 Octa-core processor
- Android 16 operating system
- Supports NFC; optional 1D/2D barcode reader, RFID, and fingerprint reader
- Supports 4G, WLAN, BT, and GNSS
- Rich I/O interfaces including: RS-232, RJ45 Ethernet, USB
- Removable high-capacity battery design
- IP67 and MIL-STD-810H certified



Android 16



Fingerprint



Barcode 2D



High-Capacity

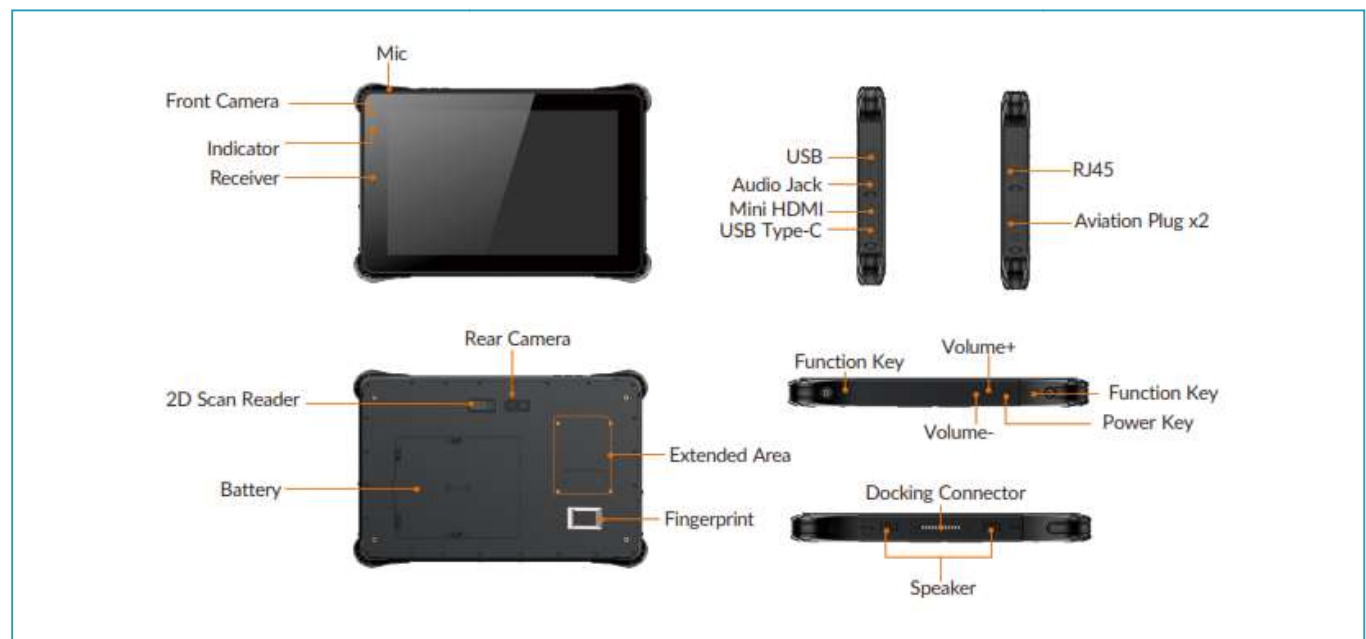


IP67



RFID

I/O Interfaces



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Specifications

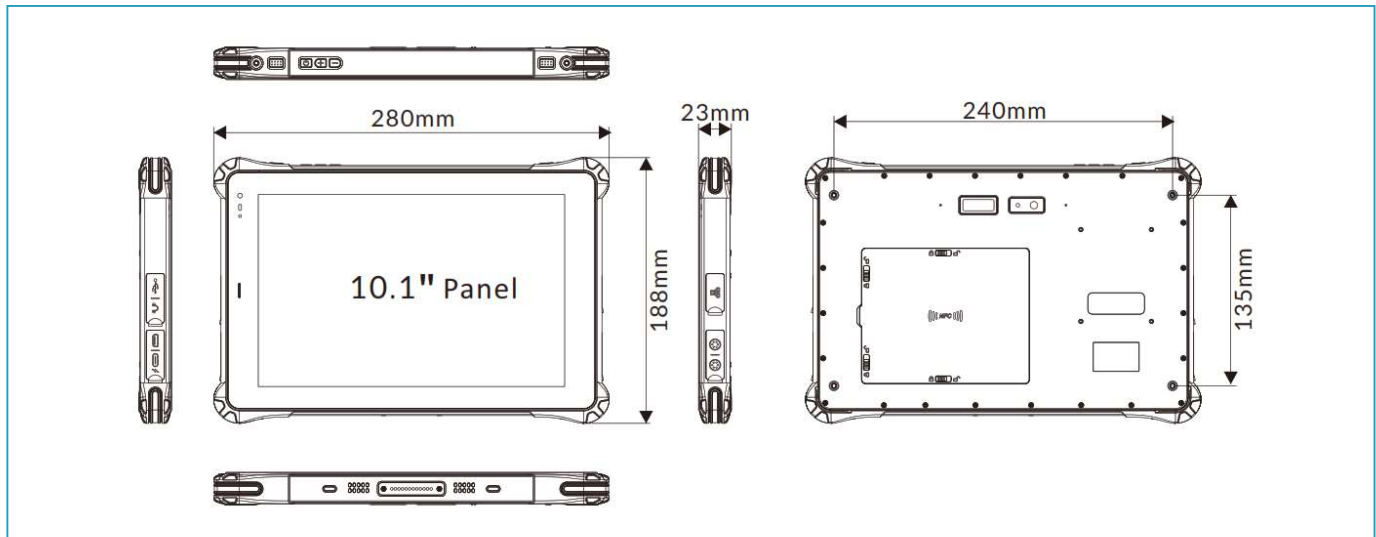
DISPLAY	
Size	10.1-inch
Touch type	G+G Capacitive multi-touch screen Gorilla glass Hardness 7h
Resolution	800 x 1280 (1200x 1920 optional)
Luminance	700 nits (800 x 1280); 500 nits (1200 x 1920)
Contrast ratio	1000: 1
View angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.7M
SYSTEM	
CPU	MTK MT8781 ARM Cortex-A76 Dual-core 2.2 Ghz ARM Cortex-A55 Hexa-core 2.0GHz
Memory	8GB LDDR4
Storage	128GB EMMC
Graphics	ARM Mail-G57
Operating System	Android 16
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
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 V5.2 (BLE) Class 1
Cellular	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 CDMA2000: BC0/BC1 FDD: B1/B2/B3/B4/B5/B7/B8/B17/B20/B28A/B28B 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

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ENVIRONMENT	
Power adapter	Input AC : 100-240V, 50-60Hz Output DC : 5V 3A
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 compliant
BATTERY	
Battery	Removable lithium-ion polymer battery, 3.8V 10000mAh
Battery life	8 hours
MECHANICAL	
Dimensions (W x D x H mm)	280 x 188 x 23 mm (11.02 x 7.40 x 0.91 mm)
Weight (kg)	1150g (2.54 lbs)
CERTIFICATION	
EMC	CE, FCC
PACKING LIST	
Packing	1x XRT-25A1001D1, 1x Battery, 1x Hand-Strap, 1x Power Adapter

Dimensions



Ordering Information

Ref.	Description
XRT-25A1001D1/8128/4GN/A16	800x1280, 700nits, MT8781, 8GB + 128GB, Wi-Fi, Bluetooth, 4G, GPS, 3.8V@10000mAh Battery
XRT-25A1001D1/8128/4GN2D/A16	800x1280, 700nits, MT8781, 8GB + 128GB, Wi-Fi, Bluetooth, 4G, GPS, 3.8V@10000mAh Battery, 2D Barcode