ESTONE TECHNOLOGY

UA-80

8" ULTRA-RUGGED TABLET PC

FEATURES

- 8" IPS LCD Screen (800x1280 Resolution)
- Fast Octa-core MSM8953 Qualcomm Processor
- Android OS
- IP-67 Water & Dust Protection
- 4ft Drop/Shock Protection (MIL-STD-810G)
- Long Life Battery – up to 10 Hours Runtime
- Integrated NFC & 4G LTE Connectivity
- Options: Barcode Reader & RFID

The UA-80 is powered by an ARM Octa-core MSM8953 Qualcomm processor, is IP-67 waterproof rated, and MIL-STD-810G four-foot drop/shock test rated. With its ultra-rugged features, high resolution display, optional barcode reader, UHF RFID reader and handheld size, the UA-80 takes productivity and efficiency to the next level.

SPECIFICATIONS

RUGGEDNESS

Waterproof	IP-67 IEC60529
Drop Rating	MIL-STD-810G, 4ft to Plywood on 26 Corners
Shock Rating	MIL-STD-810G, Method 516.6, Procedure I, 40g 11ms
Vibration Rating	MIL-STD-810G, Method 514.6, Procedure I
ESD Protection	6KV Touch, 8KV Air

SYSTEM

Processor	Qualcomm MSM8953 PRO Octa-core 2.2GHz
GPU	Adreno 506
Memory	3GB LPDDR3
	Options:
	4GB LPDDR3
OS	Android 8.0
	Google GMS
Storage	32GB eMMC
	Options:
	64GB eMMC

DISPLAY

Screen Size	8" IPS
Resolution	800 x 1280
Brightness	400 NIT, Sunlight Readable
View Angle	+/- 85°
Contrast Ratio	800:1
Touch Screen	Capacitive 5-Point Multi-Touch

COMMUNICATIONS

Wi-Fi	802.11 a/b/g/n/ac Dual-Band 2.4G & 5G
Bluetooth	Bluetooth v4.1
4G LTE	2G: GSM
	3G: WCDMA
	4G: TDD-LTE/FDD-LTE
GPS	uBlox NEO-M8N, GPS L1C/A, SBAS L1C/A, QZSS L1C/A, QZSS L1 SAIF, GLONASS L1OF, BeiDou B1I, Galileo E1B/C
	Navigation Update Rate Up to 10 Hz, Cold Start No More than 60s
NFC	Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm

I/O INTERFACE

Sensors	Gyroscope
	Ambient Light Sensor
	G-Sensor
	Compass
Audio	1x Built-In Microphone
	1x Internal 8ohm 1W speaker
Camera	Front Camera: 5MP
	Rear Camera: 13MP with Auto Focus, LED Flash
Ports	1x USB 3.0 Type C @ 0.7A Output
	1x Audio Jack (3.5mm, 4 Pole, MIC input)
	1x Micro SD Slot, Maximum 128GB
	1x Nano SIM Slot
	1x Docking Connector (5V DC Input Only)
	Extended GNSS Antenna SMA
	Back-Extension 14-Pin Pogo Pin (5V DC In, UART, USB 2.0)
Buttons	Home
	Power
	Volume +, Volume -
	Return
	Menu
	F1, F2
Barcode Reader (Option)	Newland NLS-EM3296, Built-In 1D/2D
UHF Reader (Option)	Operating Frequency: GB 920 - 925MHz, GB 840 - 845MHz
	FCC 902 - 928MHz, ETSI 865 - 868 MHz
	RF Output Power (Port): 33dBm ± 1dB (Max)
	ISO 18000-6C/E1G2, ISO18000-6C/6B and GB/T29768 Distance 4~6M

MECHANICAL

Chassis	Double Injection Molded Plastic + TPU
Dimensions	235 x 146 x 14.5mm
Weight	656g

POWER

AC Adapter	5V DC 3A Output, 110-240V AC Input, Standard US Plug
	Options:
	Multi-Nation Plugs
Battery	3.8V 8200mAh, 31.16Wh, Li-on Polymer, Hot Swappable
	8 Hour Play 1080P Running Time, 10 Hours Standard Operation

ENVIRONMENTAL

Operating Temp	-20°C to 55°C
Storage Temp	-40°C to 70°C
Humidity	0% to 95%, Non-Condensing
RoHS	Compliant

REGULATORY

Certification	FCC, IC, CE, RCM, ROHS, REACH, WEEE, Google GMS

*Specifications are representative. Specific product technology may be different than indicated.

ESTONE TECHNOLOGY

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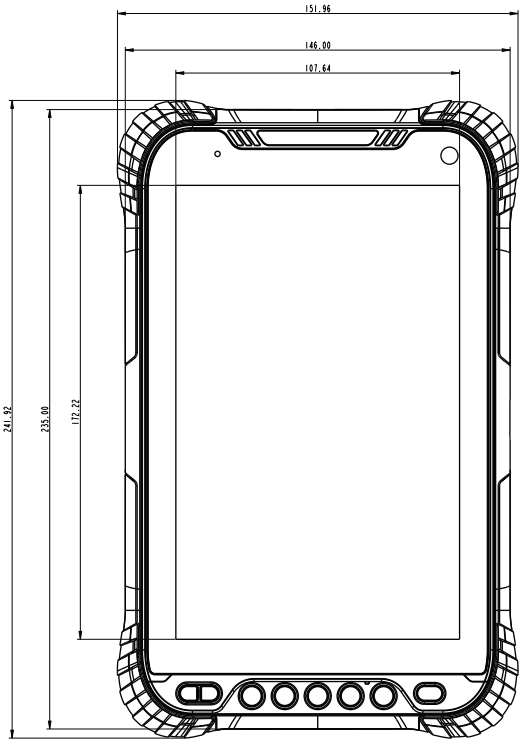
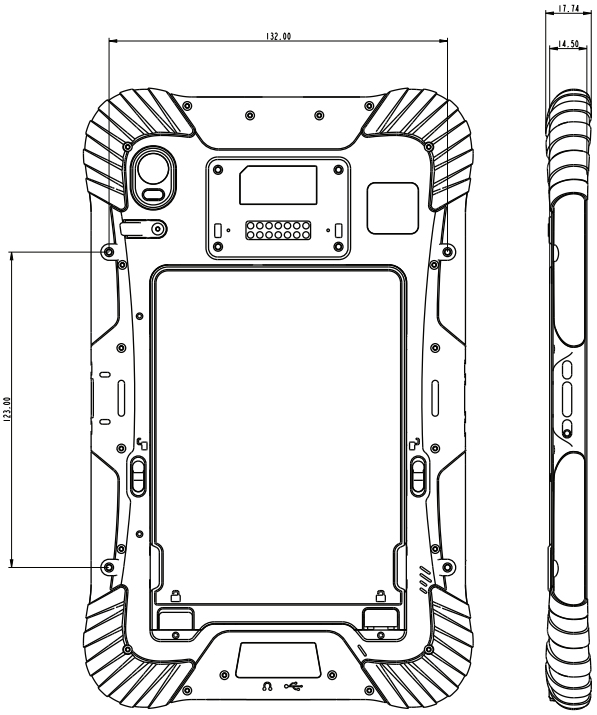


ODM OPTIONS

SYSTEM	
Memory	4GB LPDDR3
Storage	64GB eMMC
I/O INTERFACE	
Barcode Reader	Newland NLS-EM3296, Built-In 1D/2D
UHF Reader	Operating Frequency: GB 920 - 925MHz, GB 840 - 845MHz FCC 902 - 928MHz, ETSI 865 - 868 MHz RF Output Power (Port): 33dBm ± 1dB (Max) ISO 18000-6C/E1G2, ISO18000-6C/6B and GB/T29768 Distance 4~6M
POWER	
AC Adapter	Multi-Nation Plugs



ACCESSORIES

Hand Strap

Docking Station

Vehicle Mount

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