








UniOne

Product Specification V2.0		Remark
Product Model	UA80	
Appearance		
Physical Characteristics		Remark
Device Size	235*146*14.5 (mm)	
Device Weight	≤630g	
Color/Material	Hard rubber (dark gray) + Soft rubber (black) @two-color injection molding	
LCD	8",1280*800 FHD, HD, 800nits(typ) Min brightness750nits	
Touching Panel	10-point touch, support glove and wet hands operation.	
Back Camera	16 MP, auto-focus	
Front Camera	8 MP, fixed-focus	
Flash Light	Double flash light	
Extension Port	NANO-SIM card slot x1	
	Micro SD card slot x1 Maximum 256GB	
	Type-C: Charging & Data, USB2.0 OTG	
	Extension A	Back pogopin 14PIN compatible design
	Extension B	Side 2 PIN supports 5V2A Charging
	Extension C	3.5mm Earphone jack
Physical Button	8 x Physical Button : 1 x Power Button, 2x Volume Button, 2x Function Keys, 1 xBack Button, 1 xHome Button, 1x Menu Button.	
Software & Hardware		Remark
CPU	Qualcomm QCM4290 8-core 2.0GHz	
Operating System	Android 13.0	
Memory(RAM+ROM)	6GB LPDDR4X + 128GB eMMC	
Sensor	L-sensor (compatible design)	
	G-sensor	
	Gyroscope	
	E-compass	
Speaker	Standard built-in x1	
Mic	Standard built-in x2 support noise reduction	
Battery	Volume	3.8V 8200mAh removable battery at room temperature
	Charging	Support QC3.0 18W charging
	1. Work time : ≥ 8 hours 2. Charging time : ≤5 h	
	Working Condition : 1.Screen brightness 300nits WiFi network mode. 2.Turn on GNSS positioning, play online video.	
Wireless communication		Remark
GNSS	Support Beidou/GPS/GLONASS/Galileo	
WiFi	WLAN protocol	802.11 a/b/g/n/ac/e/i/r (Dual Band 2.4 & 5GHz)
	Wi-Fi frequency	2.4G Wi-Fi / 5G Wi-Fi 5GWifi independent PA
Bluetooth	BT5.1 @BLE	
NFC	NFC 13.56MHz, work distance ≥ 3cm support ISO/ 14443 A/B ISO/ 15693, NFC-IP1, NFC-IP2 M1 Card(S50, S70) , CPU Card, NFC Label	
Network and Standard	4G	TDD-LTE : B38/B39/B40/B41 FDD-LTE : B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B28(b)/B66
	3G	WCDMA B1/B2/B5/B8
	2G	850/900/1800/1900
Reliability Figures		Remark
Working Temperature	-20°C~+60°C	
Storage Temperature	-40°C~+70°C	
Humidity	0-95% RH, non-condensing	
ESD	Contact 8KV, Air10KV	
Water proof	IP67	
Drop	1.2m to marble	

Certification		Remark
Regional Certification	CE	
	FCC	
	IC	
	RoHS	
	WEEE	
	REACH	
	GMS Global	
	MIL-STD-810H basic version (waterproof drop)	
Packing List		Remark
Packing List	Tablet x 1 pcs	
	USB 2.0 Type-C data cable x1 (2A fast charging cable)	
	Power adapter x1 QC3.0 fast charge	
	Standard configuration: American standard, European standard plug	
	Device Box	
	Quick Start Guide	
	Screen film (attached to the screen at the factory, retaining the tear-off layer by the user)	
Optional Accessories for UA80		Image
Accessories	High-precision External Antenna by connecting Back PoGopin	
	Barcode Scanner New Land	
	Multiple - Battery Charger (2pcs)	
	Stylus Pen	
	Bracket Mount on Alignment pole for GNSS GIS Survey users	
	Handstrap-strip	
	Vehicle Dock	