


UniOne

Product Specification		V 1.0
Product Model	UA8HP	
Appearance		
Main Features	5.7inch rugged phone	
Physical Characteristics		Remark
Size	173*78*13.9mm (without external antenna)	
Weight	≤260g(without external antenna)	
Color/Material	PC (Dark Grey)+ Rubber (Black)	
LCD	5.7" IPS 720x 1440 FHD 400nits (typ)	
TP	Multi-touch, support glove and wet hands operation	
Camera	5M ,FF 13M ,AF with double white LED Flash	
Extension Ports	1*USB2.0 Type-C (Charging, data transmission, OTG, Ethernet Adapter, Uart TTL, Digital headset)	
	2*Nano-SIM Card Slot	
	1*Micro SD Card Slot(Maximum:256 GB)	
	1*External Antenna Connector (GNSS antenna connector) Bottom -2pin pogo pin (Charging)	
Dedicated Keys	3 keys: Right -Power Left- Volume up, Volume down 2 side-keys: 1*Left 1*Right	User can customize the two keys
Software & Hardware		Remark
Hardware Platform (CPU)	UNISOC UIS 7862S, 8 cores 2.0GHz	
Software Platform	Android 10.0	
Memory (RAM)	4GB LPDDR4	
Hard Disk (ROM)	64GB EMMC	
Sensor	Ambient Light	
	Proximity	
	Acceleration	
	Gyroscope	
	Compass	
Speaker	≥ 103dB at 1kHz 10cm	
Receiver	1*Headphone	
Mic	2* microphone (Supports noise reduction)	
Motor	1* build - in	
Indicator LED	1 LED red / blue (Charging)	
Battery	Volume: 3.8V 5000mAh (typ)	
	Work time : 8 hours Recording GPS position data with LCD medium level brightness and 4G LTE online	
	Input: 5V 1.45A Charging time : Reaching 95% ≤ 5h	
Communication		Remark
GNSS	System	GPS, GLONASS, BDS, Galileo
	Data format	NMEA0183
	Protocol	RTCM3.X
	Frequency	1Hz
	Warm boot	<5 seconds
	Cold boot	<30 seconds
	Accuracy	Point positioning:±0.1m
		Horizontal: 0.01m±1ppm
Vertical: 0.02m±1ppm		
Positioning module	Ublox F9P	

	Antenna	External Quadrifilar Helix Antenna	
WiFi	802.11 a/b/g/n/ac (Dual Band 2.4 & 5GHz)		
Bluetooth	BLE 5.0		
NFC	13.56MHz, work distance \geq 3cm support ISO/IEC14443 A/B, ISO/IEC 15693, NFC-IP1, NFC-IP2 M1 Card(S50, S70), CPU Card, NFC Label		
Network	GSM: 900/1800 WCDMA:B1/B5/B8 LTE-TDD:B38/B39/B40/B41 LTE-FDD: B1/B3/B5/B7/B8		Support B20
Reliability			Remark
Working Temperature	-20°C~+55°C		
Storage Temperature	-30°C~+70°C		
Humidity	0-95% RH, non-condensing		
ESD	Contact 8KV, Air 10KV (Criteria B) --- except pogopin Contact 6KV, Air 8KV --- pogopin		
Water & Dust proof	IP67		
Dorp	1.2m to marble		
Regional Certification			Remark
Regional Certification	CCC		Support CE