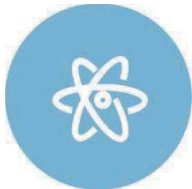




Features



"Athena" RTK engine,



ATLAS



aRTK



Intelligent Voice



Smart Base Station



WebUI



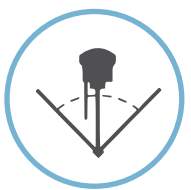
Intelligent System



As solid as a rock



Cloud Services



IMU Tilt Survey



Combined Antenna



Big Battery

## Technical Specifications

Product model		A60 Pro
GNSS	Channels	800 channels
	Satellite Signals	GPS: L1C/A, L1C, L1P, L2C, L2P, L5; GLONASS: G1, G2, G3 BDS: B1I, B2I, B3I, B1C, B2a, B2b, ACEBOC; Galileo: E1, E5a, E5b, ALTBOC, E6 QZSS: L1C/A, L1C, L2C, L5, LEX; SBAS: L-Band
Accuracy	Static	H: $\pm (2.5\text{mm} + 0.5 \times 10^{-6} \text{ D})$ RMS , V: $\pm (5\text{mm} + 0.5 \times 10^{-6} \text{ D})$ RMS
	RTK	H: $\pm (8\text{mm} + 0.5 \times 10^{-6} \text{ D})$ RMS , V: $\pm (15\text{mm} + 0.5 \times 10^{-6} \text{ D})$ RMS
	DGNSS	<0.5m
	SBAS	0.5m
	ATLAS H10	8cm
	Initialization Time	< 10s
	Initialization Reliable	0.999
System	OS	Linux
	Memory	8GB
	Wi-Fi	The controller could connect with receiver by WIFI, support WebUI management: update, data download, operation setting and etc.
	Bluetooth	V2.1+EDR/V4.1Dual, Class2. Automatically search for Bluetooth and connect within 5 seconds.
	E-Bubble	Support
	IMU Tilt Survey	Fusion positioning, 400Hz refresh rate, 2cm (@60°Tilt degree)
	Audio	support TTS audio broadcast
Datalink	UHF radio	Tx/Rx Internal Radio, 0.5W/2W adjustable, 410-470MHz
	Radio protocol	Support GeoTalk, GEOMARK, PCC GMSK, SATEL, PCC-EOT, TrimTalk 450S, TrimMark III, TrimTalk(4800), South, Hi-Target, HZSZ and etc.
	Network	4G-LTE, TE-SCDMA, CDMA(EVDO 2000), WCDMA, GSM(GPRS) EG25-G network module, international Network mode
	Reference outputs	RTCM2.3, RTCM3.2, RTCM3.X, CMR, CMR+
Physical	Interface	1*TNC Radio Antenna, 1*5Pin(Power & RS232), Type-c port, 1 button
	Button	1 Power Button
	Indication Light	4 Indication Lights
	Size	Φ148mm×H74.5mm
	Weight	1.0kg
Environment	Battery capacity	4.2V, 13600mAH battery
	Life Timer	Static Survey: 15 hours, Rover RTK survey: 12h
	External power source	DC 9-18V, with overvoltage protection
	Work Temperature	-30°C~+65°C
	Storage Temperature	-40°C~+80°C
	Waterproof & dustproof	IP68
	Humidity	100% anti-condensation



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(1) Accuracy and reliability specifications may be affected by multipath, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices.  
(2) Operating time varies based on temperature. Specifications are subject to change without notice.