



SOUTH H10 is an Android 11 collector featuring an 8-core CPU, 4G connectivity, Bluetooth/NFC, and IP68 rating for durability. With gyroscope and geomagnetic sensors, it offers enhanced usability for field data collection and stakeout. Experience seamless performance and connectivity on the go with the H10 collector.

- Android 11 OS (supports GMS), included several under-the-hood optimizations and improvements to enhance overall performance, stability, and security on H10, fully supports Survstar regular data-collecting functions as well as the latest AR stakeout and photogrammetry functions.
- Qualcomm 8-core 2.0GHz processor, offering the Qualcomm Quick Charge 3.0 (QC3.0) technology, this technology enables significantly faster charging speeds compared to standard USB charging (charges to 90% battery in four hours).
- 5.5-inch touch screen, 5% larger, provides a more immersive viewing experience for topographic survey, stakeout, AR and photogrammetry.
- The IP68 rating provides assurance that H10 can withstand exposure to dust and waters without compromising performance, ensuring accurate and reliable measurements even in dusty and highly humidity conditions.
- 4G network module facilitates the development and deployment of advanced services and applications, such as NTRIP connection, photogrammetry online processing. These services rely on high-speed, reliable connectivity, which 4G networks can provide.
- 25 physical buttons, provides tactile feedback when pressed, allowing users to collect data without needing to look at the screen. Buttons can be operated even when wearing gloves or in wet conditions, where touchscreen responsiveness may be compromised.

## SPECIFICATIONS

Project	OS	Android 11
	RAM	4GB
	ROM	64GB
Hardware	CPU	8-core CPU, 2.0GHz
	Cellular	GSM: 850/900/1800/1900
		WCDMA: B1/B2/B4/B5/B8
		LTE-TDD: B38/B39/B40/B41
		LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B26/B28
	Display	5.5-inch TFT, 1440 * 720 (16:9), touchscreen
	Camera	13 MP, AF
	Flashlight	Supports
	GNSS	Qualcomm GPS/A-GPS, GLONASS, BDS, Galileo
Bluetooth	BT5.0 (2402-2480MHz)	
WiFi	802.11a/b/g/n/ac (2412-2484MHz, 4915-5925MHz)	
NFC	Supports	
Sensor	Light sensor	Supports
	Gyroscope	Supports
	Geomagnetic	Supports
	3D acceleration	Supports
Interface	SIM slot	1x Nano
	SD slot	Micro SD slot
	USB slot	Type-C, USB3.0
Key	Main key	25 keys
	Side key	A custom surveying key
	Keyboard light	white light
Others	Speaker	Supports
	Mic	Supports
	Motor	Supports
	Wristband	Supports
	Battery	7000mAh , Operating time 15hrs
	Operation temperature	-30 °C to +60°C
	Storage temperature	-30 °C to +70°C
	Waterproof/ Dustproof	IP68
	Size	231*85*16mm
	weight	360g
	Shockproof/Vibration	1.2 meters MIL-STD-810H
	Charging	QC3.0 charging

