



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, charging time is max 5 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

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|-----------|-----------------------|---|
| Project | OS | Android 11 |
| | RAM | 4GB |
| | ROM | 64GB Extend to 256gb with SDHC |
| 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, 720*1440, touchscreen |
| | Camera | 13 MP, AF |
| | Flashlight | Supports |
| | GNSS | Qualcomm GPS/A-GPS, GLONASS, BDS, Galileo |
| | Bluetooth | BT5.0 (2402-2480MHz) |
| Sensor | WiFi | 802.11a/b/g/n/ac (2412-2484MHz, 4915-5925MHz) |
| | NFC | Supports |
| | Light sensor | Supports |
| | Gyroscope | Supports |
| | Geomagnetic | Supports |
| | 3D acceleration | Supports |
| | SIM slot | 1x Nano |
| Interface | 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 | 7700mAh, Operating time 15hrs |
| | Operation temperature | -30°C to +60°C |
| | Storage temperature | -30°C to +70°C |
| | Waterproof/ Dustproof | IP68 |
| | Size | 222*79*24mm |
| | Shockproof | 1.2m |
| | Charging | QC3.0 charging, charges to 90% battery in four hours. Charging time is max 5 hours. |

