

# C500

GIS SYSTEM

- **Standard Full English keyboard**
- **5.5 inch Sunlight-Readable Screen**



- **Various Data Communication Methods**
- **High-performance CPU**

# C500 Data Controller

C500 control terminal is a new Android 12 data collector launched by Sphrefix, using Qualcomm's latest industrial grade processor. Equipped with a standard all English keyboard and a 5.5-inch 500nit display screen made of Gorilla glass, it is clear and easy to read in sunlight. In addition, C500 is equipped with Bluetooth 5.0, dual band 2.4G/5G WiFi, and a 4G modem that supports global networks. The built-in 9000mAh battery provides long-lasting endurance, and IP68 protection makes C500 perform well in challenging environments, making data collection tasks easier and more efficient.



| ITEM                |                         | SPECIFICATION                                                                                                                                |
|---------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM              | Operating system        | Android 12                                                                                                                                   |
|                     | CPU                     | Qualcomm SM6115 octa-core 2.0 GHz                                                                                                            |
|                     | Memory                  | 4GB RAM + 64GB ROM                                                                                                                           |
|                     | External storage        | Micro SD, up to 128GB                                                                                                                        |
| PHYSICAL PARAMETERS | Display                 | Screen size: 5.5-inch, 500nit<br>Resolution: 1080*1920px                                                                                     |
|                     | Touch Panel             | 5-point capacitive touch                                                                                                                     |
|                     | Camera                  | Rear 13MP, AF with double white LED Flash                                                                                                    |
|                     | Sensors                 | Gyroscope, Accelerometer, Ambient Light and eCompass Sensor                                                                                  |
|                     | Other Equipment         | Speaker & Mic, Support Motor, Support Hand band, Support Passive Stylus, Support Charger, Replaceable interface                              |
|                     | Audio                   | Audio PA                                                                                                                                     |
|                     | Interface               | Type-C (USB3.0 Supports OTG)<br>SIM: one Nano SIM card slot<br>Indicator LED                                                                 |
| DATA COMMUNICATION  | Bluetooth               | BT5.0(BLE)                                                                                                                                   |
|                     | WIFI                    | IEEE: 802.11 a/b/g/n/ac<br>Dual-baud: 2.4G/5G                                                                                                |
|                     | Network                 | GSM: 850/900/1800/1900<br>WCDMA: B1/B2/B4/B5/B8<br>LTE-TDD: B34/B38/B39/B40/B41<br>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B26/B28 |
|                     | GNSS                    | Qualcomm GPS/A-GPS, GLONASS, BDS, Galileo                                                                                                    |
|                     | NFC                     | Supported                                                                                                                                    |
| ELECTRICAL          | Battery (non-removable) | 9000mAh (Support Rapid Charging)<br>Working time: 22 hours<br>Charging time: ≤4 hours                                                        |
| ENVIRONMENT         | Working Temperature     | -20℃~+65℃                                                                                                                                    |
|                     | Storage Temperature     | -30℃~+70℃                                                                                                                                    |
|                     | Work Humidity           | 5%~95%                                                                                                                                       |
|                     | Anti-vibration          | 1.2M drop onto concrete                                                                                                                      |
|                     | Protection              | IP68                                                                                                                                         |
| PHYSICAL            | ESD                     | Air discharge: ±10kV    Contact discharge: ±8kV<br>(External interface Contact discharge: 6KV, Air discharge: 8KV)                           |
|                     | Dimension               | 227.8mm*95.8mm*20.9mm                                                                                                                        |
|                     | Weight                  | 420g                                                                                                                                         |

► Manufacturers may update parameters at any time, please refer to the latest product information.