SPHEREFIX

C500

GIS SYSTEM

SPHEREFIX

C500 Data Controller

The C500 control terminal is a new Android 12 data collector launched by Spherefix, 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.

LENGTH	WIDTH	HEIGHT	WEIGHT
227.8mm	95.8mm	20.9mm	420g

STANDARD FULL ENGLISH KEYBOARD

A new full British-style keyboard and reserved multiple shortcut buttons, assist you in swiftly completing various operations in industry applications.
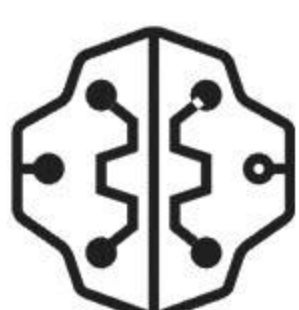
SUNLIGHT-READABLE SCREEN

The 5.5-inch 1080P resolution industrial display with 500 nits brightness enhances outdoor data collection visibility even in sunlight.

VARIOUS DATA COMMUNICATION METHODS

Dual-band Wi-Fi and 4G support ensure stable and reliable internet connectivity, while the physical USB 3.0 interface allows for faster data transfer, enabling instant uploads of large project files.

HIGH-PERFORMANCE CPU

C500 is equipped with the Qualcomm SM6115 processor, designed with an 11nm fabrication process, providing powerful performance for smooth CAD drawing management and base map display.

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 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) SIM: one Nano SIM card slot Indicator LED
DATA COMMUNICATION	Bluetooth	BT5.0(BLE)
	WIFI	IEEE: 802.11 a/b/g/n/ac Dual-baud: 2.4G/5G
	Network	GSM: 850/900/1800/1900 WCDMA: B1/B2/B4/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 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) Working time: 22 hours Charging time: ≤4 hours
PHYSICAL	Dimension(mm)	227.8*95.8*20.9
	Weight(g)	420
ENVIRONMENT	Working Temperature	-20℃~65℃
	Storage Temperature	-30℃~70℃
	Work Humidity	5%~95%
	Shock	1.2M drop onto concrete
	Protection	IP68
	ESD	Air discharge: ±10kV Contact discharge: ±8kV (External interface Contact discharge: 6KV, Air discharge: 8KV)

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

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