S50 III

4G | Dual SIM | WiFi | Bluetooth | Android
Type-C USB | NFC | 5 | Camera | IP67

α-GEO

RUGGED
DATA COLLECTOR

ANDROID-BASED GNSS DATA CONTROLLER

The α-GEO S50III is a professional FULL KEYBOARD GNSS data controller with smartphone capabilities, it has 5"sunlight-readable touch display and backlight keypad. Combined with integrated Bluetooth®, you are able to easily connect or control the GNSS receivers, enhancing efficiency and productivity in the field.

ULTRA-RELIABLE IN THE FIELD

The IP67 dust and water proof rating protects the S50III from most of harsh environments, and the 7000 mA Li-ion battery allows you work all day long for multiple surveying tasks. You will also benefit from its large capacity internal and up to 256 GB external storage. The integrated autofocusing camera helps you enhance job documentation by taking photos on site and sharing job information with your colleagues.

DESIGNED FOR FLEXIBILITIES

SurPro field software available on the S50III controller ensures you efficient survey in the field, such as topographic survey, CAD, stakeout, COGO and more. Powered by Android11 operating system, you can run other third-party Apps based on your specific requirements. The S50III is also a versatile handheld featuring various sensors, such as G-sensor, Barometer, Light-Sensor, NFC, Compass, Gyroscope etc.

Features

Android 11 Operating System
MIL-STD 810 G and IP67 Certified
5"Sunlight Readable Touch Display
13 MP Camera with Autofocus
Rugged Design with Long Battery Life

THE KEY TO THE POINTS

SPECIFICATIONS

The performance parameters

CPU	Octa-core2.OGHz
OS	Android 11
RAM	3GB
ROM	32GB

Physical parameters

Size	205*80*18mm
Displaysize	5 inchV, Resolution 720*1280
TouchScreen	5-pointcapacitivetouchscreen
Batterycapacity	3.8V 7000mAh PEfastcharging
Notification	Sound,Vbration, LEDprompt
Keypad	49 keys (10 numbers +26 letters)
Audio	Bottom speaker, volume 9OdB±3 The noise reduction MIC

Interface development

Typec USB	Support OTG ,fast charging
Expansion	MicroSD(TF)cardslotupto 256G
SIM card slot	Two Nona SIM card slots

Data communicatons	
WLAN	IEEE802.11a/b/g/n2.4G5Gdualfrequency
WWAN	FDD- ITE B 1 /B2/B4/B S/B7/B8/B20/B28A
	TDD-LTE B34/B38/B39/B40/B41
	WCDMA B1/B2/B4/B5
	GSM B2/B5/B8
	CDMA/EVDO BCO/BC1
Bluetooth	BT5.0 (BLE)
GPS positioning module	GPS+BD+GLONASS
RFID(Highfrequency)	SupportingProtocol:ISO14443A/B,ISO15693,NFC readingdistance:0~5cm

Using the environment

Operatingtemperature	20°C to + 55°C
Storagetemperature	-30°C to + 70°C
WorkingHumidity	5% to 95%
Drop specifications	6 sides 1.8m two-round drop (cement floor)
The IP rating	IP67
ESD	±15kVAirDischarge,±8kVContactDischarge

Sensor

Gsensor,Ambientlightsensor, ProximitySensor,Sensor,COMPASS

The date collection

Rear camera	Rearcamera13MP
Front facing camera	FrontCamera5MP

The warranty

Machine warranty for one year, parts warranty for half a year, lifelong maintenance