

**GENERAL**

System	Linux OS
Web UI	- Accessible via Wi-Fi, Ethernet - Support configuration, status checking, data transfer, data storage and system upgrade
Network protocol	TCP, MQTT <sup>1</sup> , Ntrip Server, Ntrip Caster
Dimensions	140mm*106mm*15mm

**STANDARD COMPONENTS**

GNSS board	- Full-constellation tracking - Single-antenna & dual-antenna optional - RTK accuracy: 8mm+1ppm Horizontally 15mm+1ppm Vertically
Bluetooth module	Bluetooth 4.0 dual mode
WiFi module	802.11 a/b/g/n/ac
4G module	FDD-LTE B1/B3/B5/B7/B8 TDD-LTE B38/B39/B40/B41 TDSCDMA B34/B39 WCDMA B1/B2/B5/B8 GSM B2/B3/B5/B8 CDMA1x/CDMA2000 BC0/BC1
Memory module	8GB <sup>2</sup>

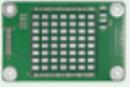
**ELECTRICAL**

Voltage	9 - 28V DC
Power consumption	3.5 W, typical

**ENVIRONMENTAL**

Working temperature	-40 C to + 75 C
Storage temperature	-55 C to + 85 C

**OPTIONAL ACCESSORIES**

UHF module	- Support mainstream transmission protocols - Connect to 57*36mm adaptor board	
GNSS antenna	- SA500 choke ring antenna - SA100 geodetic antenna	
LED indicator panel	Include battery, satellite tracking, RTK status and network	
Connector & Cable	- SMA to MMCX connector - TNC to MCX connector - RJ45 connector - 10-pin serial connector - IPEX to MCX/MMCX cable	    

Note:

1. The MQTT protocol is customizable.
2. The 8GB memory can be customized for larger size.

All specifications are subject to change without notice.

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# DK100

## DEVELOPMENT KIT

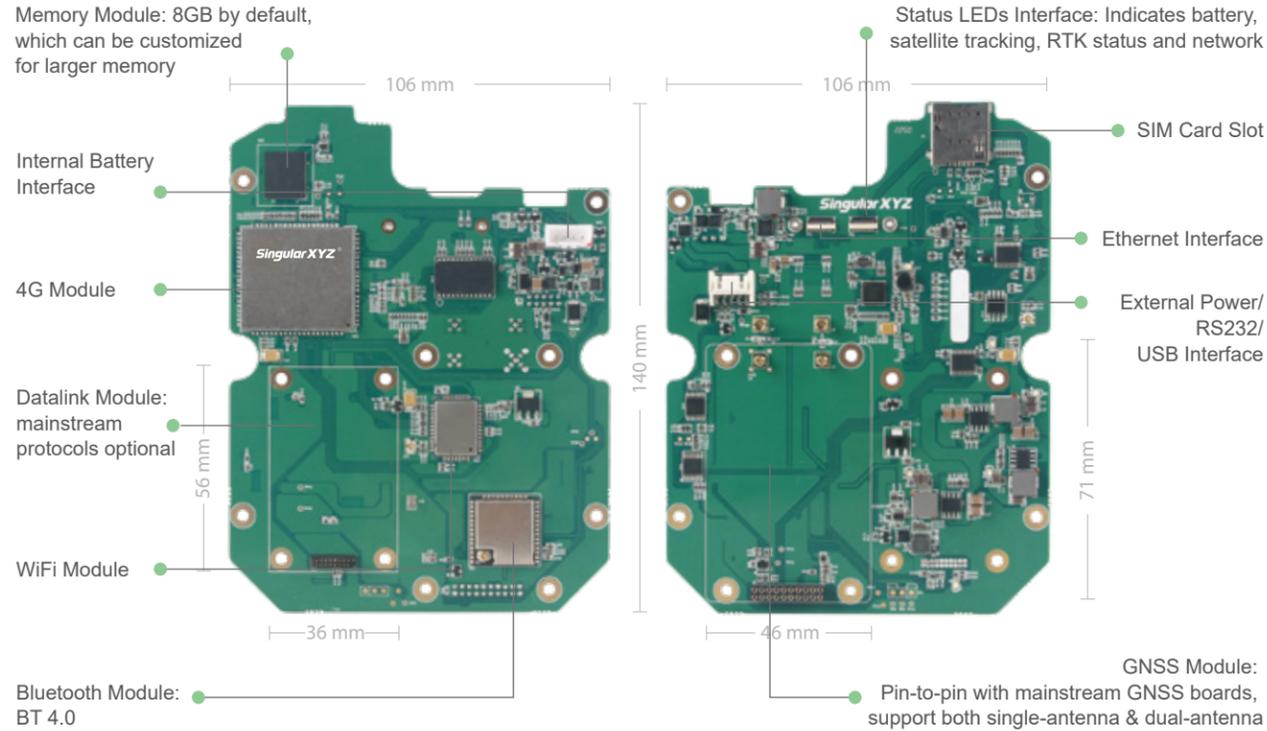
### READY TO USE

Make Your GNSS Development Easier



## DK100 DEVELOPMENT KIT

The DK100 is a multi-functional development kit that specially made for GNSS related applications. Integrated GNSS board, 4G module, radio module, WiFi/Bluetooth/Ethernet module, large memory and status indicators on a single PCBA, the DK100 provides unlimited possibilities for your development.



## APPLICATIONS



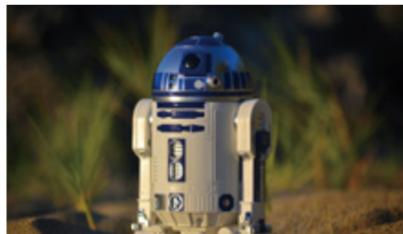
CORS Construction



Precision Agriculture



Smart Navigation



Robotics



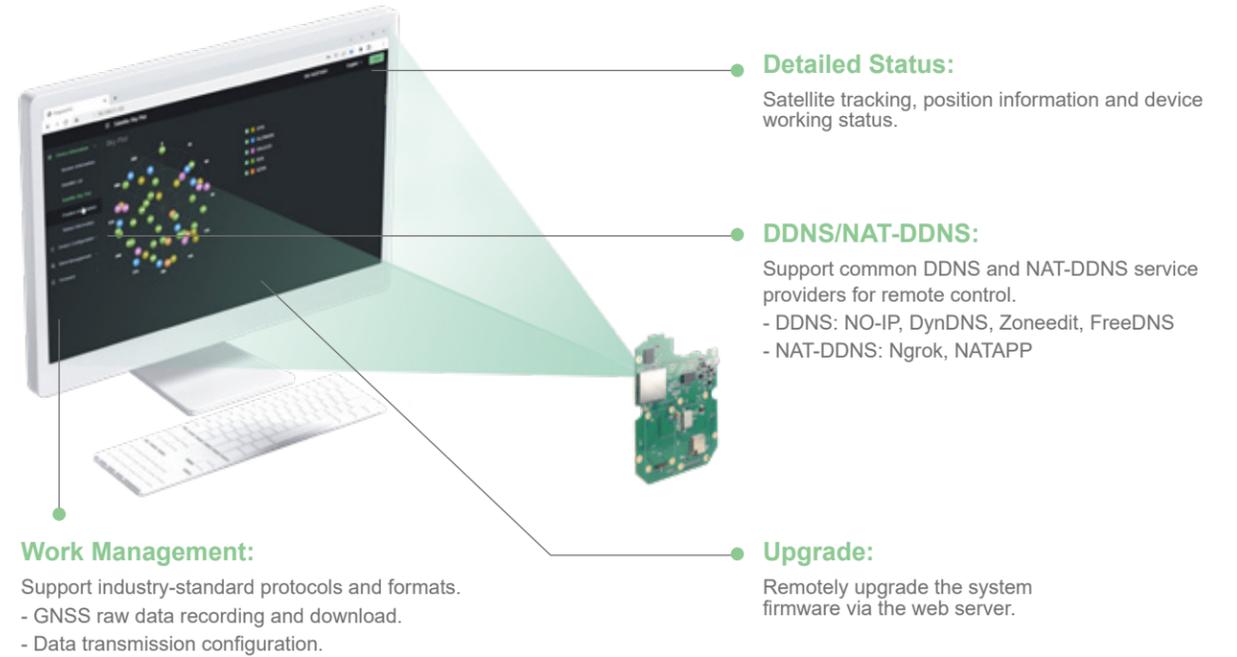
Monitoring



Construction

## DK100 DEVELOPMENT KIT

Especially designed for system developers, the DK100 development kit shows high compatibility and easy integration. With a clean and comprehensive web page, a full set of optional accessories, professional support and customization, users can develop their own various systems with confidence and ease.



## RELATED PRODUCTS



SA500 CHOKE RING ANTENNA

- Full-constellation signal receiving
- High gain and wide beam width
- LNA for out-of-band rejection, suppress the EMI
- GFRP rugged housing with IP67 protection

- Multi-point feeding design for high phase center stability
- Full-constellation tracking for challenging environments
- Strong anti-electromagnetic interference performance
- IP67 durable, easy-installation design



SA100 GEODETIC GNSS ANTENNA