



G639/G659

3.2" Rugged GIS Handheld

IP68 certified, G639/G659 are designed for anyone who works in harsh environments. The helical antenna ensures a stable and amazing satellite signal tracking performance. The battery handles whole day' s work. G639/G659 is small size and easy for carrying especially for GIS application.

High Precision Positioning

The helical antenna ensures a stable and amazing satellite tracking performance. G659 is able to receive correction data through network to obtain centimeter level accuracy.

Open Android 7 System

Equipped with Quad-core Qualcomm processor, user can install software on the Android 7 platform.

Sunlight Viewable Screen

The 400-nits brightness makes the device Sunlight viewable.

Long-time Operation

The 4000 mAh rechargeable and replaceable battery ensures whole day' s work without interruption.

Large Memory Storage

Internal 8 GB storage and the expansion up to 128 GB makes sure it is suitable for large data application.

Rugged Design

Device is IP68 certified as a rugged device. It survives a 1.8 m drop on concrete floor.

Product Specification

System			USB	1 x USB Type-C
Processor	Qualcomm MSM8909 Quad-Core, 2.2GHz		Power Supply	
OS	Android 7		Battery	Rechargeable and replaceable Lithium-ion battery, 3.8 V, 4000 mAh
RAM	1 GB		Working	Up to 15 hours ¹
ROM	8 GB		Charge	5 hours
Screen			Safety Lock	With battery safety lock
Screen Size	3.2"		Sensor	
Resolution	800 x 480		Speaker	Yes
Density	320 dpi		Microphone	Yes
Brightness	400 nits		Light	Yes
Touch Panel	Capacitive		Proximity	Yes
Camera			Magnetometer	Yes
Rear	8 MP		Gyroscope	Yes
Flash Light	Support		Barometer	Yes
Auto Focus	Support		Accelerometer	Yes
GNSS			Gravity	Yes
	G639	G659	Compass	Yes
Channels	72	72	Physical	
Tracking	GPS/BDS/GLONASS /GPS + BDS /GPS + GLONASS /GPS+GALILEO	GPS/BDS /GPS + BDS	Dimension	174 x 66 x 32 mm
SBAS	Support	Support	Weight	280 g with battery 205 g Without battery
Accuracy	Single: 1 ~ 3 m SBAS: 0.6 m	Single: 1 ~ 3 m SBAS: 0.6 m DGNS: 0.5m RTK: 5cm + 1ppm	Operating Temperature	-20°C ~ +60°C
Communication			Storage Temperature	-30°C ~ +70°C
GSM	G639	G659	Water/Dust Proof	IP68
	No	Yes	Shock	Survive a 1.8 m drop on concrete floor
WIFI	Support		Humidity	95%
Bluetooth	Support		Buttons	1 x PTT 1 x Power 4 x FN 4 x Navigation
SD Card	With 16 GB standard, up to 128 GB		Keyboard	Virtual keyboard Virtual home, return, menu keys
			Lanyard	Support

1. The actually working time depends on the temperature and the running software.