

Rugged GNSS Handheld

Orbit is built rugged, Dustproof, Waterproof, and Shockproof handheld field computer with precision GNSS systems integrated with it, provides the power of computing in the field, where the action is happening. It has a high speed processor, higher memories, and a large screen for graphical presentation of the locations of points of interests on a map. The device combines the functionalities of a Smartphone and the power of a Laptop on the field itself. Providing photo capture, a high yield GNSS receiver, and integrated GPRS and cellular modem and voice call capability options, Orbit handheld is the perfect solution to increase the productivity and communication capabilities of your field workforce.

Key Features

- Rugged design to withstand dust, water, tumble, and accidental fall
- Precise GPS through Multi-GNSS and GAGAN correction
- Ease of use with intuitive mobile GIS application SXgeo
- Real-time 1-3 m accuracy
- Centimeter-level accuracy after post-processing
- Geo-tagged photo capture
- Pendrive ready USB 2.0 port
- Long battery life with 8000 mAh battery
- Large 5 inch screen for mapping and GIS data acquisition
- Easily Import & Export your KML, Shape files, Raster images and in all popular vector and raster formats
- One-Click data capture, waypoints, tracks
- Sophisticated Data Dictionary
- Made In India



Rugged GNSS based Field Computer *from* Skycube

PROCESSOR	• 1GHz
OPERATING SYSTEM	• Linux ® 3.12
RAM	• 512 MB
INTERNAL MEMORY	• 1 GB eMMC
DISPLAY	• 5" Resistive TFT with touch (800 x 480), sunlight readable
	• Unique high contrast color scheme for outdoor use
	• Scratchproof, chemically toughened screen for rugged use
KEYBOARD	• 4 functional keys
PORTS	• Mini USB 2.0, USB 2.0 Host, Pendrive Ready
	• Micro SD up to 32GB support (non-accessible from outside)
BATTERY	• Rechargeable 3.7V 8000 mAh Battery, 10-12 hrs run time (under typical conditions).
	• Low Battery Indication
PHYSICAL CHARACTERISTICS	• 180x99x45 mm (max dimension with 8000 mAh Battery)
	• Durable hardened plastic in a shear-proof and shock-resistant design
	• Weight: less than 600g with battery, Easy-to-grip, impact-absorbing bumper
COMMUNICATION	• Frequencies: - LTE 2100 (B1) 1800 (B3) / 2600 (B7) / 900 (B8) / 800 (B20)
	- UMTS 900 (B8) / 2100 (B1)
	- GSM 900 / 1800
	• 4G / 3G / 2G modem
	• Bluetooth® v4 BLE Type 4.1, Power Class 1.5
	• Wi-Fi® 802.11 b/g/n with extended range
T51 RUGGED™	• Operating temperature : -10°C to +60°C
	• Storage temperature : -20°C to +70°C
	• Water and Dust proof : IP65
	• Shockproof : Multiple drops from 6' (1.8 m)
	• Humidity : 10-90% RH ±2 %
CAMERA (OPTIONAL)	• 5MP resolution with autofocus
	• Geo-tagging: embed and emboss photo with date, time and GPS position
GPS/GNSS	• 72-channel u-blox M8 Chip
	• High-sensitivity Receiver
	• Update Rate: 2Hz
	• Sensitivity
	- Tracking & Nav : -167 dBm
	- Cold starts (aided) : -157 dBm
	- Reacquisition : -160 dBm
	• Post process accuracy: : 0.5cm
	• Velocity accuracy : 0.05 m/s
	• Heading accuracy : 0.3 Degrees
	• Unlimited Waypoints, Routes and Tracks
	Position Format : Latitude & Longitude having all option of display in Degree, Minute & Second, Degree Decimal, UTM and other Grids, including user defined grids
	Acquisition Time:
	- Cold start : 25 s
	- Aided Start : 2 s
	- Reacquisition : 1.5 s
	• Auto Locate : 5 minutes approx.
	• Update Rate : 1 Second, continuous
SENSORS (OPTIONAL)	• 3-Axis Accelerometer
	• Electronic Compass
	• Barometric Altimeter
STANDARD ACCESSORIES	• 8000mAh Li-ion Batteries
	• AC Charger and Data Cable
	• Quick Start Guide
	• Stylus for Resistive Touch Screen
	• 1-Year Warranty Card