

TC-100

Multiple I/O

Digital Input: 2, Digital Output: 1,
Analog Input: 1

GNSS & GPS Antenna

Internal High Gain
Antenna



Bluetooth

5.0

Voltage Range

9-90V DC

BAND

2G (850/900/1800/1900MHz)

TC-100 is a smart vehicle tracking device with internal high gain GPS & GSM antennas and integrated credible battery backup. Also equipped with 2 Digital Input and 1 Digital Output to cover the overall requirements for the users. 1 ADC input helps in connecting the different analog sensors.

ATLANTA SYSTEMS PVT. LTD.

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Key Features

I/Os	Digital Input: 2, Digital Output: 1, Analog Input: 1
GNSS & GPS Antenna	Internal High Gain Antenna
Indicators	3 LED's (Power, GSM, GPS)
USB	2.0 Micro USB
SIM	Micro SIM
Memory	32Mb
Bluetooth	5.0
Peripheral	Temperature Sensor, Fuel Sensor

Power

Voltage Range	9-90V DC
Battery	120mAh Li-Po 3.7V

Navigation

GNSS	GPS, GLONASS, BeiDou
Channels	22 Tracking/ 66 Acquisition Channel
Horizontal Position Autonomous	< 2.5m
SBAS	Supported
2 DRMS, Vertical	± 5m
Tracking Sensitivity	-161dBm
Re acquisition Sensitivity	-146dBm
Velocity	< 0.1m/s
Hot Start	< 1sec
Warm Start	< 30sec
Cold Start	< 35sec

Cellular Network

Band	2G (850/ 900/ 1800/ 1900MHz)
RF Power	Class 4 (2W@850/900 MHz), Class 1 (1W@1800/1900 MHz)
Coding Schemes	CS 1, 2, 3, 4
SMS	Point to point MO & MT, SMS cell broadcast

Operating Environment

Working Current	Sleep Mode < 25mA, Active Mode < 200mA
Operating Temperature	-30°C to +70°C
Humidity	5% to 95% non-condensing at +40°C

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