

FS-920 Specifications



Technology: GSM/GPRS/GNSS/BLUETOOTH

GNSS

GNSS: GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

Receiver: 33 channel

Tracking sensitivity: -165 dBm

Accuracy: < 3 m

Hot start: < 1 s

Cold start: < 35 s

Cellular

Technology: GSM

2G bands: Quad-band 850 / 900 / 1800 / 1900 MHz

Data transfer: GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B

Data support: SMS (text/data)

Power

Input voltage range: 6 - 30 V DC with overvoltage protection

Back-up battery: 170 mAh Li-Ion battery (0.63 Wh)

Bluetooth

Specification: 4.0 + LE

Supported peripherals: Temperature and Humidity sensor, Headset, OBDII dongle Universal BLE sensors support

Physical specification

Dimensions: 79 x 43 x 12 mm (L x W x H)

Weight: 54 g

Interface

Digital Inputs: 1

Digital Outputs: 1
Analog Inputs: 1
GNSS antenna: Internal High Gain
Cellular antenna: Internal High Gain
USB: 2.0 Micro-USB
LED indication: 2 status LED lights
SIM: Micro-SIM
Memory: 128MB internal flash memory

Operating environment

Operating temperature
(without battery): -40 °C to +85 °C
Storage temperature (without
battery): -40 °C to +85 °C
Operating humidity: 5% to 95% non-condensing
Ingress Protection: Rating IP54
Battery charge temperature: 0 °C to +45 °C
Battery discharge temperature: -20 °C to +60 °C
Battery storage temperature: -20 °C to +35 °C for 1 month, -20 °C to +30 °C for 6 months

Features

Sensors: Accelerometer
Scenarios : Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual, Geofence, Trip
Sleep modes: GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Configuration and firmware update: FOTA Web, FOTA, Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
SMS: Configuration, Events, DOUT control, Debug
GPRS commands: Configuration, DOUT control, Debug
Time Synchronization: GPS, NITZ, NTP
Fuel monitoring: LLS (Analog), OBDII dongle
Ignition detection: Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)