

FV-M8:

Name: GPS receiver module SanJose FV-M8 / Uart 30x30x9mm 32ch



Pinout:

Pin No.	Title	I/O	Note
1	Vin	P	Voltage input 3.3~5V DC \pm 10%
2	GND	G	Ground
3	TX1	O	Serial port 1 (leave open if not used)
4	RX1	I	Serial port 1 (leave open if not used)
5	TX2	O	Reserve
6	RX2	I	Serial port 2 (leave open if not used)
7	1PPS	O	Time pulse (leave open if not used)
8	BAT	I	Backup input voltage 2 ~ 5V DC \pm 10%

Specifications:

- Robust module
- Interface: UART
- Refreshrate: 5 Hz
- Protocol: NMEA v3.01
- Channels: 32 parallel
- Receiver sensitivity: -158dBm
- Working voltage: 3.3 ~ 5 Volt
- Current consumption: ~40 mA
- Dimensions: 30 x 30 x 8.6 mm
- FV-M8 information: http://www.sanav.com/gps_engine_board/FV-M8.htm
- FV-M8 datasheet: http://www.blackboxcamera.com/pic-osd/docs/FV-M8_Manual.pdf

Description:

Very easy to use complete and small GPS module. Build in antenna, booster, GPS encryption and UART communication. All in a little package of 30x30x8.6 millimeter.

This module is often used by electronic fanatics. This makes it easy to use the module because there is a lot of information of it on the internet. Communication is done with a simple UART interface with the standardized NMEA codes.

GPS logger, R/C plane with GPS tracking project:
<http://www.wiredhouse.fr/2008Projects/GPSLogger.html>