



GPS Receiver Module

MODEL: FV-5H

High Sensitivity with A-GPS Support



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Introduction

FV-5H module combines high sensitivity, exceptionally low power consumption and a USB port in a small module measuring just 17 x 22 mm. The -160 dBm tracking sensitivity extends positioning coverage into places where GPS was not possible before, and enables solutions using smaller or covert antennas. Its small form factor and SMT pads allow for fully automatic assembly processes with standard pick-and-place equipment and reflow soldering, enabling cost-efficient, high-volume production. The combination of these features makes this module suitable for a broad spectrum of GPS products whose key requirements include high sensitivity, low power consumption and small size.

Features

- 40mA supply current at $V_{cc} = 2.7 V$
(Power reduction by more than 35% compared to predecessor modules)
- USB connectivity
- Significantly lower battery backup current
- Configurable I/O and UART voltage levels
- RoHS compliant (lead-free)
- 50 channel

