



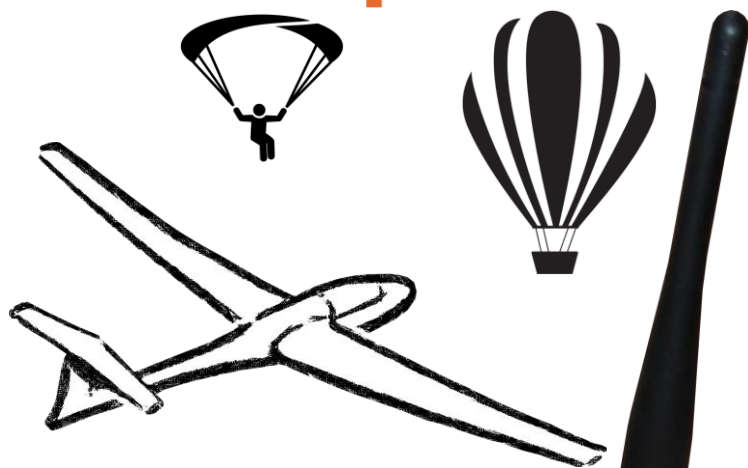
FollowMe 868 OGN/IGC Tracker

FollowMe 868 represents a fully featured and cost-effective small aircraft tracking solution. The tracker transmits continuously the 3D position and speed vector following the OGN standard making the aircraft visible on the Open Glider Network and to the other OGN-Trackers or device using FANET or PilotAware. It can be used for real-time tracking, e.g. live competition display and commentary.

FollowMe 868 offers:

- Embedded GNSS module
- Pressure sensor for barometric altitude
- Multi-page OLED display
- 25mW RF output power on 868MHz
- Improved situational awareness
- IGC file format for logging to microSD card
- Supports all features as required for the IGC championships
- 5-15V input power
- Low power consumption, up to 24h runtime on embedded Li-Ion battery
- Various data formats on Wi-Fi/Bluetooth/USB interfaces compatible to major GA traffic awareness protocols
- Option for embedded ADS-B RX module to supplement data output with ADS-B traffic
- Can relay position of other aircraft filling the gaps in the network coverage
- May receive traffic and weather info from the FANET network

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Technical Parameters

Power supply			Notes
Input voltage	5 5-15	[V] [V]	Micro USB socket, barrel jack
Input current	up to 0.8	[A]	
Power consumption			
Max power consumption	up to 4	[W]	During battery charging
Avg power consumption	0.4	[W]	On battery
Battery runtime	up to 24h	[h]	On embedded 18650 cell
RF			
Antenna impedance	50	[Ohms]	
Center frequency	868	[MHz]	Option for 915MHz
TX power	14	[dBm]	25mW
ADS-B (optional)			
AVIONIX pico-ADS-B	1090	[MHz]	Internal module
Data processor			
Hardware platform	ESP32		
GPS receiver			
Antenna	Internal patch antenna		External antenna option
Connectivity			
Wi-Fi type	802.11 b/g/n		
Bluetooth	v4.2 BR/EDR		Bluetooth Low Energy
Dimensions of enclosure			
Height	26	[mm]	
Width	82	[mm]	
Length	115	[mm]	
Weight	185	[g]	



For information or demonstration
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• Software Development

- Flexible software solutions for airports and ATC
- Surveillance Data Processing
- ASTERIX Data Fusion, ED-129B Test Suite

• Hardware Development

- RF Hardware Design
- Mode-S/ADS-B/MLAT Receiver

• ATC Spectrum Monitoring

- Airport Vehicle Transponder

• Consulting, Project Management and Networking

- A-CDM, A-SMGCS, Airport Planning, AOCC
- Support for Project, Offer and Tender Management