

2023



PilotX

Maverick



Technical Datasheet

Made In India

Casing

Board Size: 70mm x 55mm x 20mm

Casing Material: ABS

Top Cover: Crystal Clear Plastic

Controller

Processor Type: Cortex M0+

Processor Chip: RP2040

Number of Cores: 2

Clock Speed: 133MHz

Timer: 64-bit



Pin Configurations

Input Channels: 13 (Convertible)

Output Channels: 13 (Convertible)

Power Input: 3.3V – 5V

I2C Channels: 4

Timer: 64-bit

UART Channels: 1



Sensors

In-built Sensors

Pressure Sensor: 300-1100hPa

Gyroscope: $\pm 250^\circ/s$, $\pm 500^\circ/s$, $\pm 1000^\circ/s$ and $\pm 2000^\circ/s$

Accelerometer: $\pm 2g$, $\pm 4g$, $\pm 8g$ and $\pm 16g$

Compass: ± 8 Gauss Fields

Temperature: -40 to $+85^\circ C$

Altitude: $+9000m$ to $-500m$



Positioning

GPS Support: Yes

Channel Type: 1 x UART

Communication

Type: Worldwide 2.4GHz ISM band operation (LOS)

Data Rate: 250kbps, 1Mbps and 2Mbps on air data rates

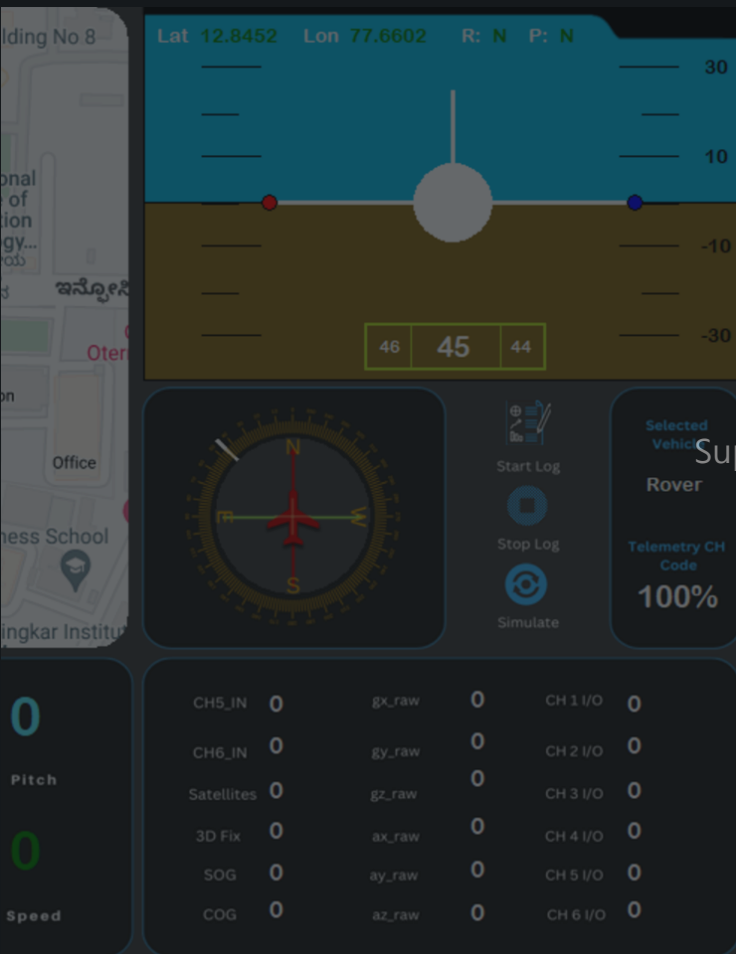
Max Range: 1000m

Antenna: Available in kit

Inbuilt Telemetry & Receiver: YES



Software Support



Software Support

Software : **Planner X**

Version: **2.1.0**

Supported OS: **Windows**

Supported Vehicles: **UGVs, Sats, Quadcopter**

Dashboard: **T-Instruments, Map etc.**

Simulator: **Yes (Basic)**

Data Logging: **Yes**

Data Analysis: **Yes (Basic)**

Route Planning: **Yes (Basic)**



Interested? Contact Us



Safear Defense Private Limited

303, Balaji Building,
Electronic City – Phase 2,
Bengaluru - 560100

Ph. No.
+91 9742231329
+91 8275621713