



 **PLYMOUTH ROCK**  
TECHNOLOGIES

**X1**

## X1 MULTIROTOR UAS - SPECIFICATIONS

|  | X1  | X1-H                    |
|--|---|-------------------------|
| <b>Size / Diagonal Wheelbase</b>   | 980mm   |                         |
| <b>MTOW<br/>(Maximum Take-Off Weight)</b>                                | 55lbs (25kg)  | 55lbs (25kg)            |
| <b>Payload Capacity</b>  | Up to 22lbs (10kg)  | Up to 11lbs (5kg)       |
| <b>Cruise Speed</b>  | 20 mph (32 kph)   |                         |
| <b>Maximum Speed</b>   | 45 mph (72 kph)   |                         |
| <b>Maximum Flight Time</b>   | Up to 45 minutes  | Up to 4 hours           |
| <b>Endurance*</b>  | Up to 15 miles (24 km)  | Up to 80 miles (128 km) |
| <b>Maximum Operational Altitude - Height Above Mean Sea Level (AMSL)</b> | 15,000 ft   |                         |
| <b>Operational Range**</b>   | Up to 12 miles (20 km)  | Up to 62 miles (100 km) |
| <b>Propulsion System</b>   | LiPo Battery  | Hybrid (LiPo / ICE***)  |
| <b>Fuel Capacity</b>   | N/A   | 2.64 gal (10L)          |
| <b>Temperature Range</b>   | 14°F to 113°F (-10°C to 45°C)   |                         |
| <b>IP Rating</b>   | IP64  | IP54                    |
| <b>Wind Resistance</b>   | Up to 40 mph (64 kph)   |                         |
| <b>Avionics</b>  | Triple Redundant IMUs (Dual Heated)   |                         |
| <b>GPS</b>   | Dual GPS  |                         |
| <b>Aircraft Avoidance</b>  | ADS-B Tx & Rx   |                         |
| <b>Collision Avoidance</b>   | Forward & Downward-facing LiDAR, 100m range<br><i>Full 360° Collision / Obstacle Avoidance Optional</i> |                         |
| <b>Propeller Size</b>  | 20"   |                         |
| <b>Tether Capability</b>   | Yes   |                         |

**Various sensor and controller options available - please enquire for more information**

\*Endurance is dependent on speed, payload and environmental factors / conditions

\*\*Extended Operational Range available with Satcom / Cellular Communication modules

\*\*\*ICE - Internal Combustion Engine

**ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION, DESIGN, OR OTHERWISE**

