Contoso Quad

Product support and FAQ

A state-of-the-art drone designed for the enterprise market. With its advanced flight controls and high payload capacity, it’s perfect for a variety of commercial applications. Its robust design ensures reliable performance in challenging conditions, making it a trusted choice for businesses.

# Specifications

## Aircraft

- Takeoff Weight: 1200 g  
- Dimensions Folded (without propellers): 250×100×85 mm (L×W×H)  
- Dimensions Unfolded (without propellers): 400×300×120 mm (L×W×H)  
- Max Ascent Speed: 5 m/s  
- Max Descent Speed: 3 m/s  
- Max Horizontal Speed (at sea level, no wind): 15 m/s  
- Max Takeoff Altitude: 5000 m  
- Max Flight Time: 30 minutes  
- Max Hovering Time: 25 minutes  
- Max Flight Distance: 20 km  
- Max Wind Speed Resistance: 10 m/s  
- Max Pitch Angle: 25°  
- Operating Temperature: -5° to 35° C (23° to 95° F)  
- Global Navigation Satellite System: GPS + GLONASS  
- Hovering Accuracy Range Vertical: ±0.2 m (with vision positioning) ±1 m (with GNSS positioning)  
- Hovering Accuracy Range Horizontal: ±0.5 m (with vision positioning) ±1.5 m (with high-precision positioning system)  
- Internal Storage: 16 GB

## Battery

- Capacity: 6000 mAh  
- Weight: 300 g  
- Nominal Voltage: 14.8 V  
- Max Charging Voltage: 16.8 V  
- Type: LiPo 4S  
- Energy: 88.8 Wh  
- Charging Temperature: 0° to 30° C (32° to 86° F)  
- Charging Time: Approx. 90 minutes

# Frequently Asked Questions

## Q1: How long can the Contoso Quad fly on a single charge?

A1: The Contoso Quad can fly for up to 30 minutes on a single charge, depending on conditions such as wind and payload.

## Q2: Is the Contoso Quad suitable for aerial photography?

A2: Absolutely, the Contoso Quad is equipped with advanced camera and sensor systems that provide high-quality aerial data, making it perfect for aerial photography.

## Q3: Can the Contoso Quad operate in rainy conditions?

A3: The Contoso Quad has a robust design that ensures reliable performance, but it's best to avoid flying in heavy rain to protect its electronic components.

## Q4: What is the maximum payload the Contoso Quad can carry?

A4: The maximum payload capacity will vary based on the configuration, but the Contoso Quad is designed to handle significant payloads suitable for various commercial applications.

## Q5: How does the Contoso Quad handle strong winds?

A5: The Contoso Quad is designed to resist wind speeds up to 10 m/s, ensuring stable flight in challenging conditions.