VERONTE AUTOPILOT 4x

GENERAL DESCRIPTION

Ideal for critical applications where failure is not an option, due to the risk of casualties in civilian applications, or the failure of military operations.

It incorporates 3 complete Veronte Autopilot modules and connectivity for an external 4th module. The dissimilar arbiter includes advanced voting algorithms for selecting the control module, eliminating single points of failure.

APPLICATIONS

- OPV
- MALE/HALE
- Critical Operations
- Populated Areas
- Restricted Airspace
- Law Enforcement

MAIN FEATURES

- Very High Reliability
- Sense & Avoid / UTM
- RTK Precise Positioning
- Automations
- Custom Flight Phases
- Certification Support
## SPECIFICATIONS & HIGHLIGHTS

<table>
<thead>
<tr>
<th>Features</th>
<th>Description</th>
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<tbody>
<tr>
<td>Sensors</td>
<td>3x Magnetometer, 6x IMU, 6x barometer &amp; 6x GNSS</td>
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<tr>
<td>6x GNSS</td>
<td>72 channels, RTK &amp; RTCM. GPS, GLONASS, BeiDou</td>
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<tr>
<td>Attitude Aiding</td>
<td>Differential GNSS</td>
</tr>
<tr>
<td>Speed</td>
<td>IAS up to 382 km/h (Optional up to 2900 km/h)</td>
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<tr>
<td>Pitch / Roll / Yaw</td>
<td>0.5 / 0.5 / 1.5 deg (0.2 / 0.2 / 0.3 deg upgrade)</td>
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<tr>
<td>Weight / Size</td>
<td>660 g / 117 x 70 x 82 mm</td>
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<tr>
<td>Supervised FCUs</td>
<td>3 Individual autopilot units + Optional external autopilot</td>
</tr>
<tr>
<td>Casing</td>
<td>Sealed anodized aluminium, IP67 waterproof &amp; EMI shielding</td>
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<tr>
<td>Temperature &amp; Altitude</td>
<td>~40 to 65°C – Up to 25000 ft</td>
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<tr>
<td>I/O Ports</td>
<td>PWM / GPIO, DIGIN, CAN Bus, ADC, EQEP, I2C, UART, USB, RS232, RS485 &amp; FTS</td>
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<tr>
<td>LOS Datalink Radio</td>
<td>Encrypted 400 MHz, 900 MHz or 2.4 GHz</td>
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<tr>
<td>BLOS Communication</td>
<td>Satcom compatibility &amp; embedded M2M LTE module</td>
</tr>
<tr>
<td>Certifications</td>
<td>DO-178C &amp; DO-254, DAL-B</td>
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<tr>
<td>Power Input</td>
<td>Dual independent (6.5 – 36 V DC)</td>
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<tr>
<td>Device Compatibility</td>
<td>Transponder, gimbal, altimeter, obstacle detection, companion...</td>
</tr>
<tr>
<td>Advanced Control</td>
<td>Fly by camera, curve based navigation, follow me, one click missions, adaptive control...</td>
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### DIMENSIONAL DRAWING

[Diagram of the device showing dimensions and features]

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**Contact Information**

embention.com  
sales@embention.com  
+34 965 115 421