



CONTROL SYSTEM FOR AUTONOMOUS VEHICLES Fully autonomous control for UAVs, UGVs, USVs and tripulated eVTOLs.

High reliability and certification in compliance with DO178-C, DO254 and DO160-G aviation standards up to DAL B.

HIGH RELIABILITY CONTROL SYSTEM



USER PROGRAMABLE

Model-based design tools enable custom programs and control logics.



CERTIFICATION

Aircraft certification: DO178-C, DO254, DO160-G, ESS, ATR, STANAG, etc.



SENSE & AVOID

Embedded ADS-B or Remote ID and support for external detection means.











MAIN FEATURES

All Vehicles Plane | Multi | Heli | Autogiro | VTOL | USV | + 100% Autonomous Mission & payload | Assisted / manual / auto **Advanced Control** Adaptative | Curve-based | Fly-by-camera Sense & Avoid Radar | Lidar | Camera | ADS-B | Remote ID All-in-one Box Sensors | FTS | Comms | ADS-B or Remote ID **Internal Sensors** 3x IMU | 3x Magneto | 2x Barometer | 1x Pitot

Positioning 2x GNSS | RTK | GNSS Heading

USER PROGRAMABLE

Programs Model based design | Customization | PID level Takeoff | Landing | Cruise | Hover | Transition | + **Phases** Failsafe | Phase change | Operation | Payload **Automations** Sensor mix | Kalman filter | External sensors Navigation Pheripherals Gimbal | ADS-B | Altimeter | Cameras | Others

Compatibility Custom protocols | Mission computer

1/0

16x PWM/GPIO | 5x ADC **Ports**

Buses 2xCAN | 1xI2C | 1xRS232 | 1xRS485 | 1xUART

Expandible Veronte CEX | Up to 32 actuators

COMMUNICATIONS

Internal LOS 2.4Ghz | 100mW | Configuration | Tuning **Internal BLOS** LTE | Cloud communications | Worldwide

External LOS | Satcom | 4G/5G

SAFETY & CERTIFICATION

Certification Ready DO178C | DO254 | DAL-B | DO160

Failsafe Dissimilar supervisor | FTS

Protections ESD, Overtemperature, Short Circuit, RP

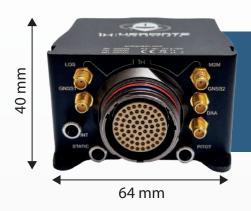
Robust Manuf. ATR, DDP & DoD | ESS & Calibration in all units

GENERAL

Power Input 6.5 - 36VDC | Redundant power input

Power 5 - 15W -40 to 60°C Temperature range

Weight 198g | 210g including ADS-B/Remote ID











[P006143] Veronte Autopilot 1x - ADS-B V4.8 [P006365] Veronte Autopilot 1x - Target/Loitering V4.8





