



Credit Card Sized
70x37x13

Veronte Expander is a high reliability mini computer with processing capabilities and multiple communication interfaces: ARINC, RS232, TTL, ECAP, Analog inputs... for real time applications.

Description



Veronte
Autopilot

Key Features

- Real time signal processing.
- Fully integrated within Veronte Autopilot.
- ARINC and RS232 communication interfaces.
- TTL / PWM outputs for external device control.
- Unipolar / differential analog inputs.
- Digital capture inputs.
- Custom configurations combining available ports.

Small Sized Processing Device

Veronte expander combines multiple I/O connections and processing capabilities for high demanding applications, all embedded into a small sized board.

Captured data (ARINC, ECAP, Analog ports, RS232) can be real time processed and transmitted through communication ports (ARINC, RS232) or used for commanding external devices such as: servos, motors, actuators, cameras...

Veronte Autopilot Integration

Expander is fully embeddable with Veronte Autopilot for high performance functionalities:

- **Extra communication interfaces:** CAN, Radio, RS232, PWM, ECAP, Analog input...
- **Navigation sensors:** GPS, IMU (Accelerometers, magnetometer, gyroscopes), Static pressure, Dynamic pressure...
- **Unmanned system control:** Control of a wide variety of unmanned systems: aircrafts, ground vehicles, surface vehicles, robots...
- **Real time video processing:** Veronte Vision can be embedded into the system for multi-camera real time video processing.

Specifications

Veronte Expander	
Analog Input	6x unipolar or 3x differential (0 - 36V)
RS232 Ports	2
ARINC 429*	1x receiver and 1x transmitter
PWM / TTL Output*	2 + 6* (0 - 5V)
ECAP Input*	6 (4 - 9V)
Size	70 x 37 x 13 mm
Weight	25 g