



# iESC 160.CAN

Intelligent 32-Bit Brushless Speed Controller with telemetry



The **iESC 160.CAN** is based on the latest generation of controllers for brushless motors, featuring a 32-bit processor and extended functions such as telemetry and direct adjustment from the transmitter. The powerful microprocessor ensures clean motor running for brushless motors with up to 40 poles.

Braking force, motor timing, direction of rotation, gear ratio, freewheeling, heli mode and much more can be set via the CAN bus. A simple **iESC programming box** is also available for system-independent programming.

The **iESC 160.CAN** provides **DroneCAN Ardupilot** compatible telemetry data such as battery voltage, current, used capacity, RPM and the temperature of the controller. Other protocols are available on request.

The **iESC 160.CAN** works with up to 14S batteries and is designed as an opto version.

## FEATURES

- + High performance brushless controller with 32-bit technology
- + Latest MosFet generation for less power loss and highest reliability
- + Telemetry plug'n'play for Ardupilot
- + Fixed-wing and heli governor mode
- + Adjustable direction of rotation, timing, battery type, freewheeling, starting current and other parameters
- + Parameters can be set directly via the CAN bus or the iESC programming box
- + Integrated anti-spark circuit
- + HV opto version
- + Self-test when switching on checks motor, throttle position and voltage
- + Optimum cooling thanks to sophisticated housing design

## SPECIFICATION

Operating voltage	6S-14S
Maximum load current	160A / 180A Continuous / Peak
Supported telemetry systems	DroneCAN
Dimensions	97 x 51 x 34 mm
Weight	199 g
Temperature range	-20°C to +85°C