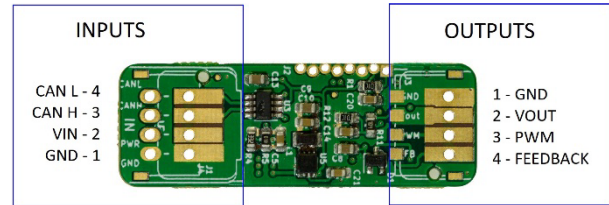




Connectors and order

The CAN2PWM is supplied as standard with Hirose DF59 connectors. Other connection options are available upon request.



Specifications

Part Number	CE1180
Operating Voltage (V_{in})	6-30V
Recommended Operating Voltage	6-18V
Voltage on CAN pins (CANH, CANL)	-7V – 12V
Current	3A (5A peak)
Dimensions (excl. Enclosure)	37 × 13 × 4mm (1.46 × 0.51 × 0.16")
Dimensions (with enclosure)	49 × 18 × 8mm (1.94 × 0.70 × 0.31")

Description

Currawong's CAN2PWM Adapter provides a bridging interface between a CAN bus network and traditional pulse-width controlled devices (such as servos or ESCs).

The CAN2PWM adapter generates a PWM signal when commanded via the CAN interface. The generated signal is highly configurable allowing simple connection of existing PWM devices to the CAN bus.

A configurable analogue / digital input allows multiple modes of device feedback to be reported over the CAN interface.

Additionally, the adapter provides advanced telemetry feedback, measuring supply voltage and device current.

Features

The CAN2PWM adapter features configurable PWM output generation for compatibility with any existing PWM device. The option for single-shot pulse generation allows PWM signals to be synchronized with CAN messages.

Multiple device feedback options allow for flexible data reporting via the CAN interface. Additionally, the provision of voltage and current reporting provides intelligent health monitoring functionality to be retrofitted to existing devices.

The multi-drop CAN bus allows many PWM actuators to be connected to even the most IO-restricted autopilot.

The CAN interface provides for simple connection to a wide range of autopilots whilst improving signal integrity and reducing the number of connectors required by the autopilot. The high-speed CAN interface (1 Mbit) provides fast throttle response. A fully documented interface specification simplifies integration with any autopilot.

As part of Currawong's networked avionics architecture, the CAN2PWM adapter is tightly integrated with CEquip and our suite of advanced development tools, for simplified system configuration, logging, data analysis and health monitoring.

A well-documented CAN API can be provided by Currawong, including complete C code for your application.