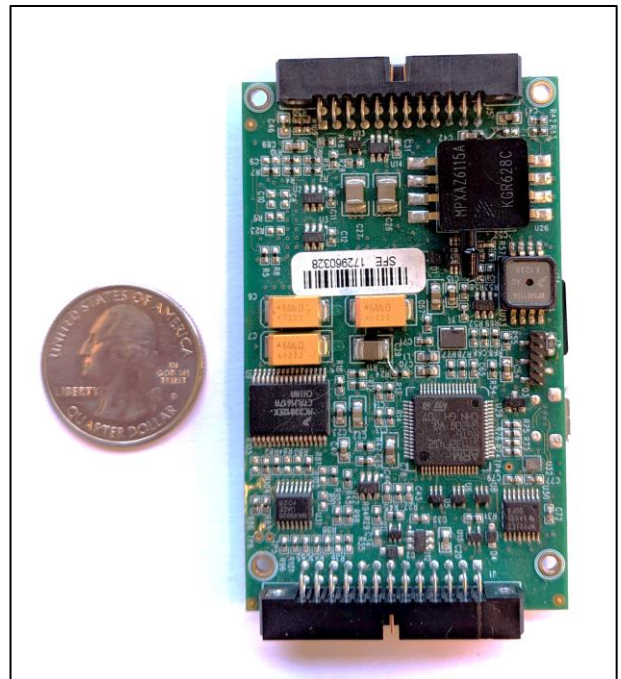


IntelliJect is an electronic fuel injection system designed by Power4Flight specifically for use in small engine aerospace applications.

Hardware features

- Onboard power conditioning (8-30 Volts in)
- Dual injector outputs with fault detection
- Dual CDI ignition output
- Fuel pump control output
- PWM outputs for throttle and cowl flap control
- Manifold pressure sensor
- Dual redundant barometric pressure sensors
- Dual redundant crank sense inputs
- Dual redundant CHT sensor inputs
- Manifold air temperature input
- Spare temperature input
- Fuel pressure input
- Analog and PWM throttle position or command input
- CAN, USB, and Serial communications
- Onboard SD card data logging
- Compatible with Currawong EFI accessories
- Weights
 - Board Only: 29.0g (1.02oz)
 - With Enclosure: 71.3g (2.51oz)
- Size
 - Board Only: 45mm x 75mm (1.77" x 2.95")
 - With Enclosure: 48mm x 79 (1.89" x 3.11")



Software features

- Configurable for a variety of engine types (two-stroke, four-stroke, triples¹, twins and singles)
- Seamless integration with third party systems, particularly flight controllers
- Free communications ICD and software developers kit
- Multiple communication protocols supported
- Sophisticated and robust firmware designed for high reliability aerospace applications
- Choice of alpha-n or speed-density fuel injection with multi-variable compensation
- Direct throttle command, RPM control, or throttle sensing
- Configurable throttle limiting based on temperature and/or speed
- Spark and injection interruption for rev limiting
- Injector skipping to improve injector dynamic range
- Closed loop cooling control using CHT sensors
- Fuel pump control using proportional or bang-bang fuel pressure feedback
- Fault detection and correction for Baro, MAT, MAP, CHT, fuel pressure, and crank sense
- Onboard electronic log-booking and maintenance tracking

¹ IntelliJect rev3 (coming soon) supports three injectors and ignitions, dual cowl flaps, and expanded power input options.

IntelliJect Price \$2600 USD

- Includes enclosure
- Volume discounts available

IntelliJect OEM Price \$2000 USD

- Volume discounts available



The IntelliJect display software is a development tool used to configure the IntelliJect, test engines, and develop software that interfaces with the IntelliJect. It is freely available from Power4Flight.

Bill Vaglianti

billvaglienti@power4flight.com

Ross Hoag

rosshoag@power4flight.com