

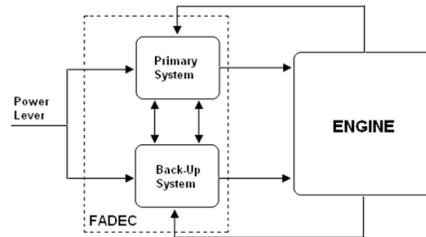


## Aeronautical FADEC

The aeronautical FADEC is an ECU for Common Rail Diesel engines with up to 6 cylinders. It is developed for use in combination with solenoid or piezo injectors. The software is provided with an optimized function range. The ECU is able to operate in a 12 V system.

Certification specification – General Aviation

CS-E  
AMC 20-3  
AC 33-28  
AC 23.1309-1C



Application		Electrical Data	
Engine layout	up to 6 cyl	Power consumption w/o inj.	approx. 5 W
Injector types	solenoid or piezo valve injectors	Power consumption @ full load	approx. 100 W
Injection timing	1 pilot 1 main injection 1 post	<b>Inputs: 16 analog, 12 digital</b>	
Turbo boost control	single Turbo	• Crankshaft sensor:	inductive
EGR control		• Camshaft sensor:	hall effect
<b>Mechanical Data</b>		• 1 internal atmospheric pressure sensor (optional)	
Dust and waterproof aluminium housing		<b>Outputs:</b>	
2 connectors		• 6 injection power stages for solenoid or piezo injectors	
Maximum dimensions		• 4 PWM outputs	
with connectors	164 x 118 x 40 mm	• 16 outputs: Main relay, fuel pump relay, fuel-pre-heat relay, warning lamp, EGR, VGT, etc..	
Weight	approx.700g		
ECU internal temperature range	-40°C ... +85°C		
<b>Connectors</b>		<b>Communication interfaces</b>	
Connector 1	81 ways	1 CAN interface:	display / logger
Connector 2	40 ways	1 RS232 / Kline:	Calibration software
<b>Included Features</b>			
Complete SW documentation			