



# AlbaCombi

## Analog NMEA2000 Converter Module

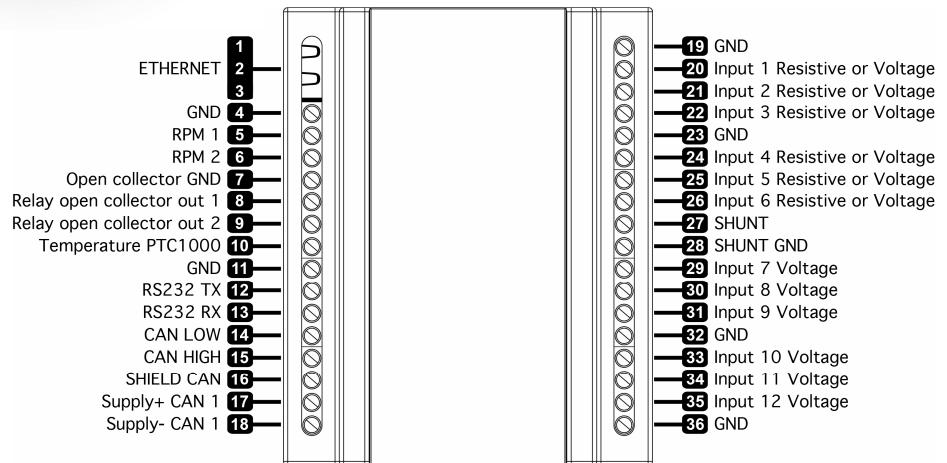
### DESCRIPTION



The Alba-Combi is a state of the art analogue to NMEA2000 converter that covers the most demanding applications. The Alba-Combi has six 0V to 32V channels and another additional six channels can be configured in voltage or resistive 0 to 600 ohms mode. There are also two RPM inputs available, one PTC and one shunt input.

The Alba-Combi will convert all those channels to temperature, pressure, voltage, tank levels, current, engine status, etc. You will be able to use that information to populate all the available 15 NMEA2000 PGNs. Calibration is done through the Ethernet port provided and the unit can be upgraded via the RS232 port.

### CONNECTION



### SPECS

SPECIFICATIONS IN / OUT	
Analogue Inputs	6 x Resistive (0 to 600 Ohm) or Voltage (0-32V)
	6 x Voltage (0-32V)
	2 x RPM W signal or magnetic sensor
	1 x Precision temperature PTC1000
	1 x 100mV current shunt
Analogue input precision	1% or better
Relay out	2 x Open collector output
Data in/out	Ethernet port (calibration and monitoring)
	RS232 (module programming)
	Isolated CAN NMEA2000

NMEA2000 Parameter Group Numbers (PGN's)	
Periodic	PGN127488 Engine Parameters, Rapid Update
	PGN127489 Engine Parameters, Dynamic
	PGN127493 Transmission Parameters, Dyna.
	PGN127505 Fluid Level
	PGN127508 Temperature
	PGN130314 Pressure
	PGN130316 Temperature
	PGN130576 Trim Tab Status

ELECTRIC SPECIFICATIONS	
Tension	9-32V DC from the NMEA2000 bus
Consumption	150mA
Equivalent load	3 LEN as per NMEA2000

MECHANICAL SPECIFICATIONS	
Size	104mm x 86mm x 59mm (DIN 43880 size 6)
Weight	230g
Mounting	DIN Rail Clip EN 50.022
Case material	Top PC/UL 94-V0, Base PPO / UL 94-V0

ENVIROMENTAL SPECIFICATIONS	
Protection Class EN60529	IP20
Working temperature	-15C to +55°C
Storage temperature	-25°C to +85°C
Relative humidity	93% HR @ 40°C IEC60945-8.3
Vibration	2-13.2Hz @ ±1mm 13.2-100Hz @ 7m/s <sup>2</sup> IEC60945-8.7
Corrosion	4x7 days @ 40°C, 95%HR after two hour salt spray IEC60945-8.12
E.M.C.	Emission IEC60945-9
	Immunity IEC60945-10