

# Albatross On Board Module

## Alba-In



Albatross modules transform data from analogue monitoring sensors to the digital format NMEA 2000 in order to display it locally or remotely. The wide catalogue of sensors which are compatible with the Albatross modules makes possible a scalable and tailored solution for each vessel.

Alba-In monitors up to 8 ON/OFF inputs or switches by translating the measurements into the NMEA 2000 communication protocol.

Monitored switches can be free potential (porthole sensors) or battery connected. In a single module both types of assembly can be chosen alternately in different inputs.

MEASUREMENTS	
Inputs	8 x ON/OFF switch / sensor Voltage <7V="0"/>7V="1" (max. 32V)
Accuracy	Output 12V DC protected against short circuit (Pin 9)
Negative	Pin 10
NMEA2000 Parameter Group Numbers (PGN's)	
Periodic	PGN127501 Bin Switch Bank Status
Information	PGN 126464 Tx/Rx PGN List
	PGN 126996 Product Information
Control	PGN 059392 ISO Acknowledge
	PGN 059904 ISO Request
	PGN 060928 ISO Address Claim
	PGN 126208 NMEA Request Group
	PGN 126720 Proprietary fast-packet
ELECTRICAL	
Voltage	9-16V DC bus NMEA
Consumption	<60mA
Equivalent Charge	2 LEN according to NMEA2000
MECHANICAL	
Size	143mm x 86mm x 38mm
Weight	230g
Assembly	Surface, fixation by screws
Box Material	Polycarbonate UL94V0
ENVIRONMENTAL	
IP Rating	IP54
Operating Temp.	-15°C to +55°C
Stored Temp.	-25°C to +85°C
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% RH after 2h salt spray per IEC60945-8.12
E.M.C.	Emission IEC60945-9
	Immunity IEC60945-10

### CONNECTIONS

