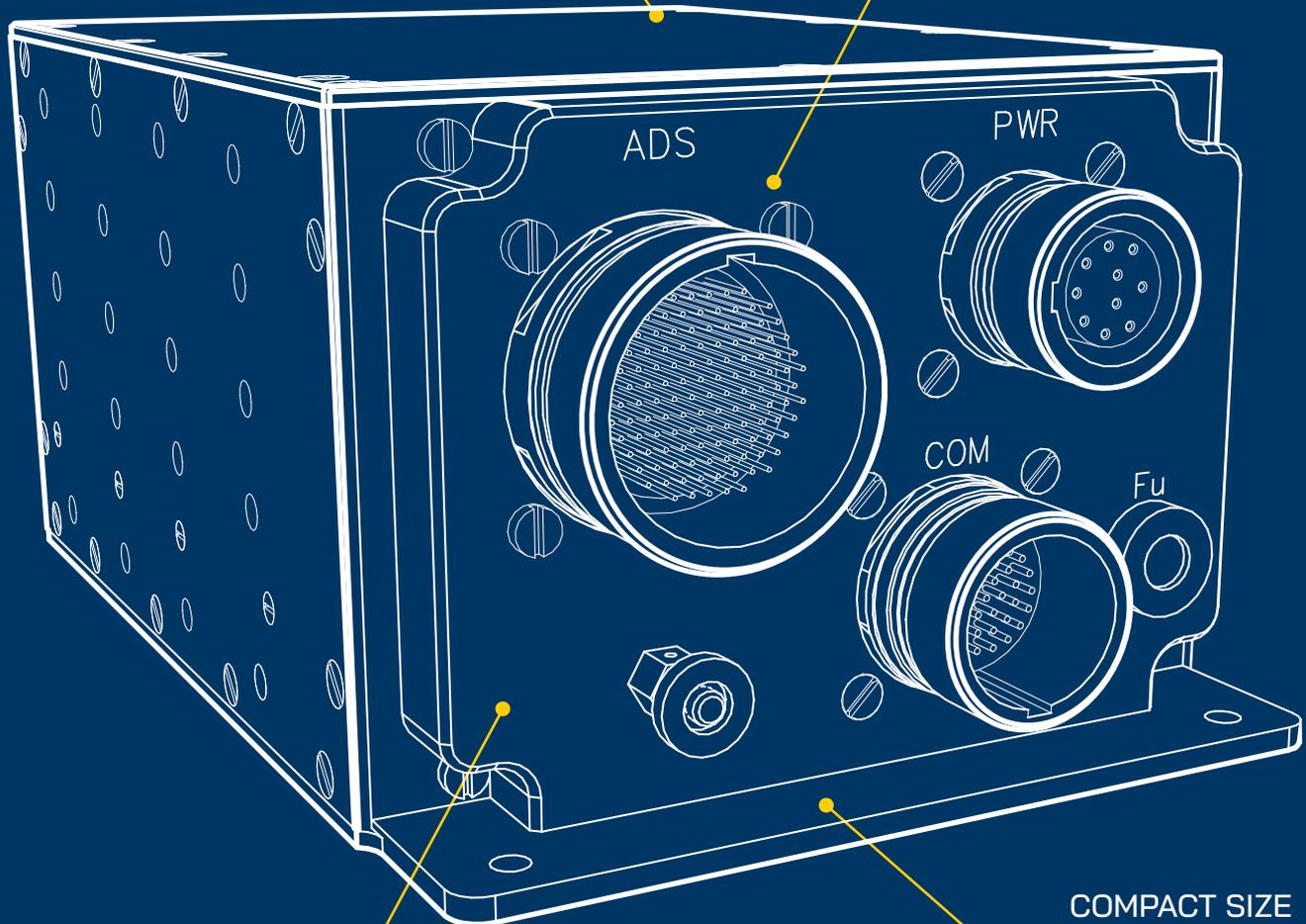


**CUSTOMIZED
INPUTS**

REAL TIME DATA PROCESSING



LIGHT WEIGHT

COMPACT SIZE

The Flight Data Acquisition Unit, FDAU-NG, processes analog and discrete signals as well as data from ARINC-429 and RS422 aircraft buses. The required data is sorted and sent for writing to CARE. The FDAU-NG is designed for platforms where there is a tight space for installation of equipment.

FDAU-NG

Flight data Acquisition Unit

The FDAU-NG unit is part of SPEEL's CVFDR system.

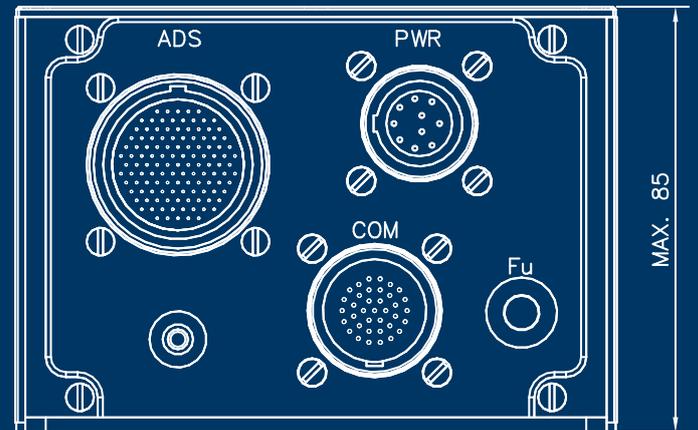
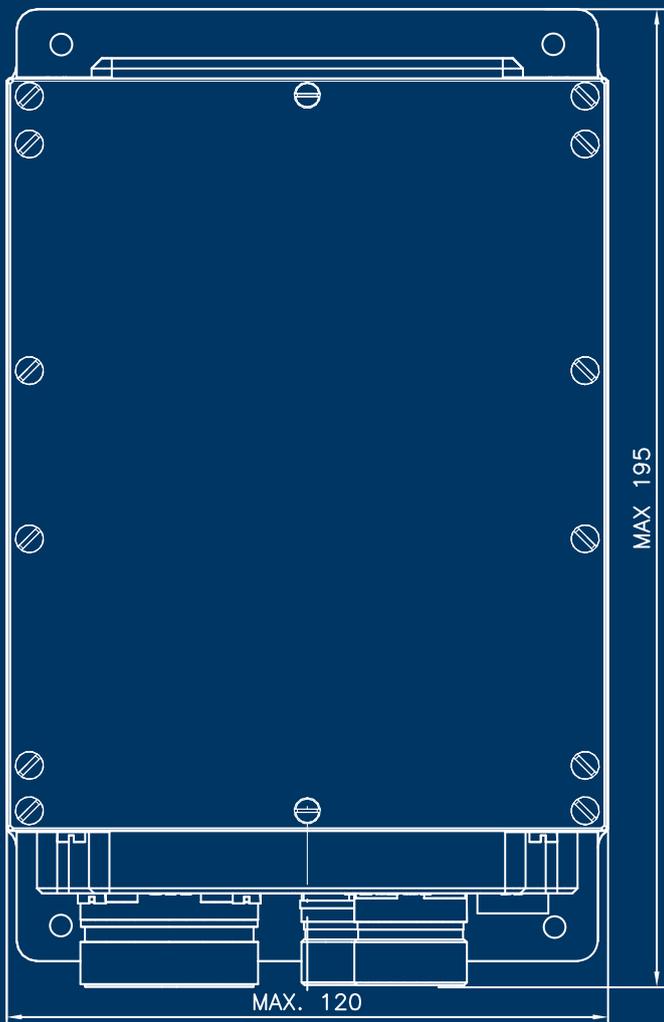
Technical Specifications

Dimensions (w/h/l)	120x85x193 [mm]
Weight	< 2 kg
Power Supply	18 VDC to 33 VDC
Power Consumption	< 10 W
Analog Inputs*	4x position sensor 3x frequency inputs 3x synchro inputs 1x resistive thermometer 14x DC voltage inputs
Discrete inputs	Up to 56
Digital Interfaces	12x ARINC429 Rx 1x RS422 - for Air Data Unit of CVFDR 1x RS422 / RS232 - for GPS
Communication Interface	RS422
Environmental Compliance	MIL-STD-810E
Operating Temperature Range	-54°C to +71°C
MTBF	>10000 FH

[HEAD-UP DISPLAY]

[CVFDR]

* Typical configuration of inputs for single engine turboprop - actual layout of inputs can be tailored to a given platform.



FDAU-NG

Flight data
Acquisition Unit

SPEEL
P R A H A

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