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# Remote electronic unit

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Ultra versatile

**LIEBHERR**

Aerospace



## Key characteristics

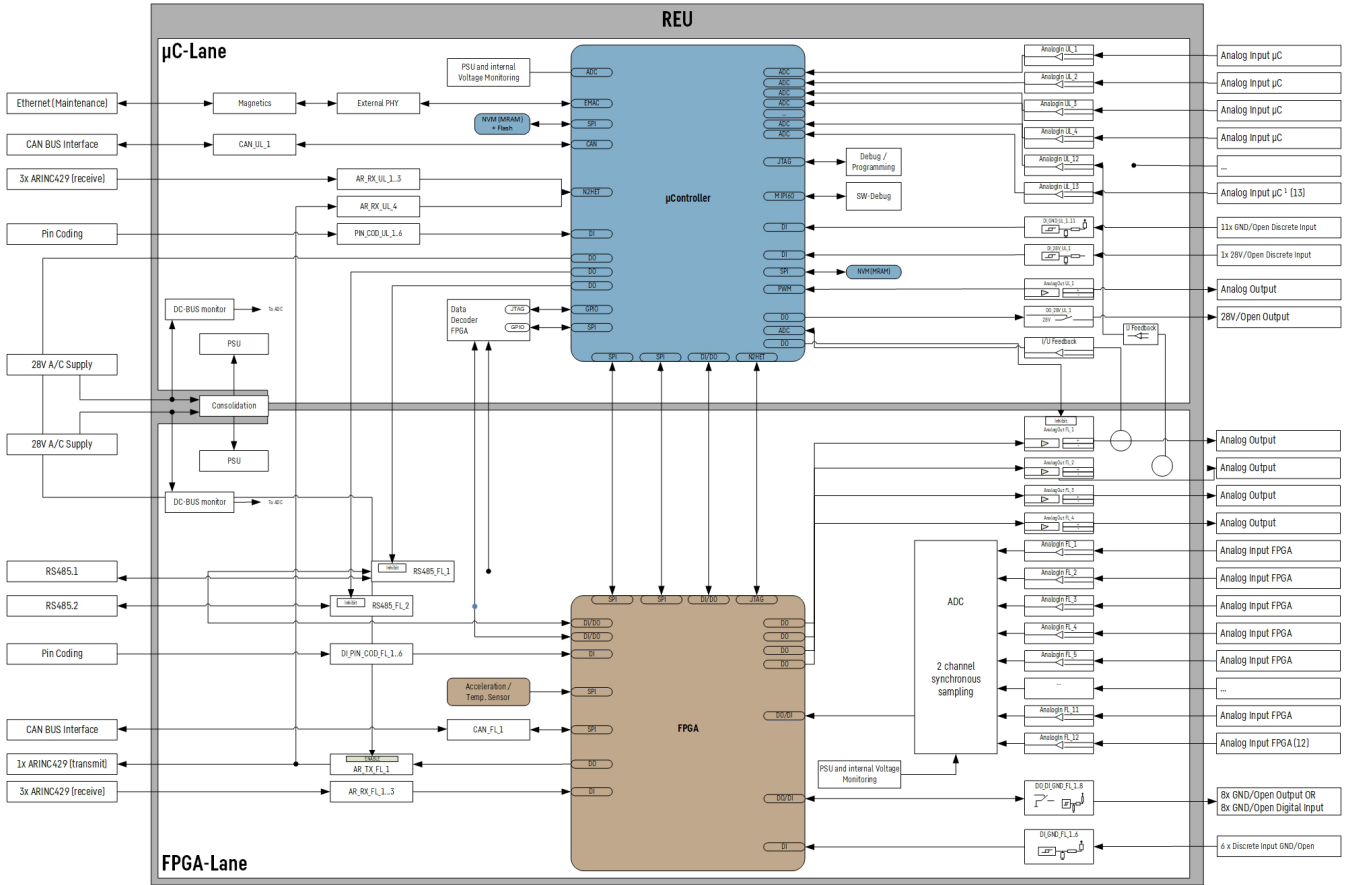
- Configurable analog inputs
- Configurable data bus interface
- Safety critical applications
- Design Assurance Level A
- Lightweight housing with adaptable attachment points
- Two independent and dissimilar computing lanes
- MTBF > 150,000 flight hours
- Developed according to RTCA / DO-178C and RTCA / DO-254
- Qualified according to RTCA / DO-160
- Operational in severe environment (unpressurized area, high vibration levels, cold soak)

## Ready for multiple civil and military applications

- Aerospace
- Maritime
- Space
- Transportation
- Others

## Suitable for

- Position control loops
- Data concentration, monitoring, conversion
- System control capability
- Connection of existing components such as levers, tillers, sticks and sensors to sophisticated communication data buses



# Electrical characteristics

- Control / Monitor or dual lane architecture
  - Control lane: FPGA
  - Monitor lane: uController
- Adaptable Data Bus Interface
  - ARINC-429 (6x RX, 1x TX),
  - RS 485 (2x)
  - CAN (2x)
  - Ethernet
- Memory
  - 128...512 kByte MRAM
  - 32...64 MByte flash
- Universal Analog Input
  - 12x CON + 13x MON, sensor independent
  - HW voltage, current, temperature
- Universal Analog Output
  - 4x CON + 1x MON, sensor independent
  - HW Adjustable: voltage / current
  - Software configurable signal waveform, frequency and amplitude

- Discrete Interfaces
  - 1x 28Vdc /open outputs (2A)
  - 8x GND/open Discrete I/Os (1A)
  - 6x GND/open Discrete Inputs
- Power Supply
  - 2x 28Vdc (single source or dual source configuration)
- Power Consumption
  - 8 W (without external loads)

# Mechanical characteristics

- Dimensions: 175 (L) x 115 (W) x 41 (H) (w/o connectors)
- Weight < 0,950kg
- Environmental sealed