DACFON TECHNOLOGIES

Your Electronic Solutions Partner for Transport and Industry

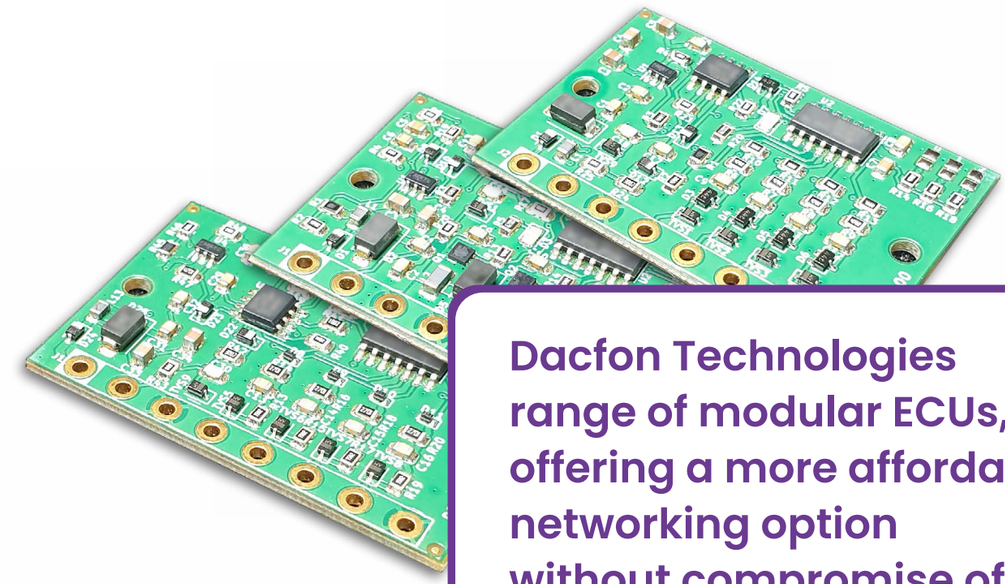
Introducing Our Range of Low-Cost Modular LIN-Bus ECUs

Powering Innovation, Driving Down Costs

Drawing upon our extensive experience of electronic communications across multiple applications, Dacfon Technologies have developed a range of modular ECUs to enhance efficient and cost-effective LIN Bus systems for seamless connectivity of various vehicle sensors and functions.

Revolutionise your offering and enhance the development of your control modules with our cutting-edge range of modular LIN-Bus Electronic Control Units, designed to offer unparalleled performance and affordability. Whether you're in automotive, mobility, robotics, marine, automation, IoT or beyond, our ECUs can be tailored to meet your needs.

Our focus is to support your requirements and reduce development time and costs by selecting from a range of off-the-shelf functionality from our standard product range, or we can work with you on custom designs to integrate multiple functions onto a single PCB for your specific applications.



Dacfon Technologies range of modular ECUs, offering a more affordable networking option without compromise of quality, reliability, and performance.

Features

- Modularity: Our ECUs are designed to be easily configurable, allowing you to mix and match modules according to your specific needs.
- Cost-Effectiveness: Offering affordability without compromising quality or performance.
- LIN-Bus Compatibility: Seamless integration into LIN-Bus systems, ensuring reliable communication and control.
- Reliability: Robust construction and quality components ensure long-lasting performance.
- Small Footprint: Simple and straightforward integration into your products for quick deployment.
- Designed with AEC-Q100 components and compliant with ASIL-B.
- 19.2Kbps with enhanced CRC.

Benefits

- Cost Savings: Reduce expenses without sacrificing quality or functionality.
- Customization: Tailor your control systems to meet specific requirements.
- Reliable Communication: Seamless integration into existing LIN-Bus architectures.
- Efficient Functionality: Optimal performance for various automotive applications.
- Ease of Use: Streamlined installation and setup for hassle-free implementation.
- Reduce Complexity: Utilisation of a standard range of products.
- Weight Optimisation: Compact and functional with minimal impacts on integration.

Applications

Standard Product Range

Part Number	Description	Notes	Size (mm)
D3100	CAN/Serial LIN Gateway LIN Master	1 CAN 2.0 Interface @ 500Kbps 2 LIN-Bus Enhanced @19.2Kbps	70 x 30
D3101	Multifunction Controller	4 Digital Inputs 4 Analog Inputs 4 Hi-Side up to 10A Outputs 4 Lo-Side up to 10A Outputs 1 DC Motor Drive up to 10A	83 x 70
D3102	Digital Input Node	4 Digital Inputs Switch to ground	45 x 30
D3103	Low-side Digital Output Node	4 Lo-Side Outputs up to 10A	45 x 30
D3104	High-side Digital Output Node	4 Hi-Side Outputs up to 10A	45 x 30
D3105	DC Motor Drive Controller	1 Bi-Directional Output up to 10A PWM Control 2 Limit Switch Digital Inputs	45 x 30
D3106	Analogue Input Node	4 Analogue Inputs 0V to 24V Range	45 x 30
D3107	Switch-pack Module	4 Takt Switch Non-Illuminated	100 x 30
D3108	Switch-pack Module (Illuminated)	4 Takt Switch, Single Colour Illumination	100 x 30
D3109	Illuminated Indicator Module	4 LEDs Single intensity Fixed colour	100 x 30
D3110	RGBW Illumination Module	PWM Controlled RGBW Led Array	50 x 30

Operating Limits

Parameter	Minimum	Maximum
Supply Voltage	8V	18V
Working Temperature	-40ºC	+125ºC
Digital Input	0V	18V
Digital Output	0V	18V

Example Applications

Figure 1
Automotive Trunk Control

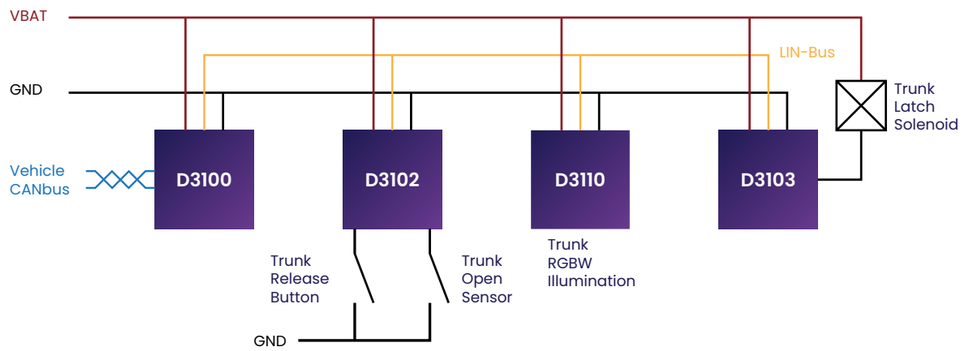
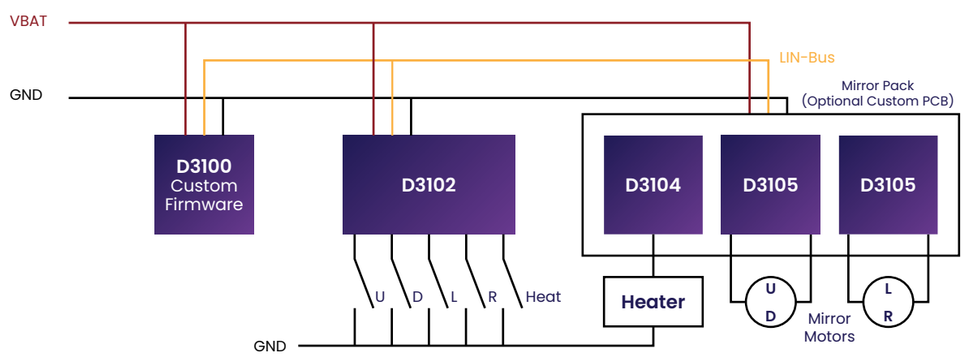


Figure 2
Door Mirror Control



Take the next step towards enhancing your vehicle's performance and reducing costs. Get in touch to discuss your specific requirements and explore our tailored solutions.

Email us at: info@dacfon.com or call: +44 (0) 121 232 8608 to find out more.

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