



FACTS & FIGURES

Up to 16 CAN FD SIC ports

Ipetronik (Germany) has launched the IPE853 data logger with typical power consumption of 16 W. The device features eight CAN FD interfaces and additional eight switchable ports (LIN/CAN FD). All 16 CAN FD channels implement CAN SIC (signal improvement capability) transceivers suitable for 8 Mbit/s data-phase bit rates. These CAN interfaces feature wake-up capability. The data logger also provides three 1-Gbit/s Ethernet inputs, one USB-C port, Wifi (wireless fidelity) as well as GNSS (global navigation satellite system) receivers.



(Source: Ipetronik)

The product, weighing 1950 g, is intended for hybrid and electrical car testing. Combined with the supplier's HV (high-voltage) measurement modules, the logger can record voltages, currents, and temperatures of HV auxiliaries as well as the HV battery system. To monitor and record the temperature distribution in the engine bay, gear box, power train, and exhaust system, the device can be connected to up to 16 M-Thermo3 modules. *hz*

Lamma Innovation Award 2026



(Source: Lamma/Fieldbee)

Fieldbee (Netherlands) has won the award for digital technology innovation at the Lamma 2026 trade show (UK) for its VisionSteer & VisionPro system. The awarded product is a modular retrofit agricultural vision system, providing CAN-based Isobus connectivity. The Isobus interface supports rate and section control. The system is integrated into the autonomous steering and real-time variable rate application. By combining RTK (real-time kinematic), camera vision, and AI into one integrated solution, the product supports farmers, OEMs (original equipment manufacturers), and robotics companies with a tool to fulfill critical farming operations.

“Precision alone is no longer enough — modern farming demands intelligent autonomy, Fieldbee Vision goes beyond accuracy. It unifies sensing, decision-making, field planning, and AI-driven support into one ecosystem. Farmers reduce inputs, improve sustainability, and boost productivity in all conditions, even when working in irregular vineyard rows,” said a Fieldbee spokesperson.

The awarded system combines RGB (red-green-blue) and NIR (near-infrared) cameras with GNSS (global navigation satellite system) support to enable autosteering in conditions, where GPS (global positioning system) alone is insufficient, such as changing canopy density, uneven tramlines and narrow or irregular vineyard layouts. *hz*

With 8 CAN FD ports



(Source: Intrepid)

CiA member Intrepid Control Systems (U.S.A.) has launched the NeoVI Connect tool. It can be used as standalone data logger, ECU (electronic control unit) simulator, or gateway module to bridge between different networks. The product comes in an IP67-rated enclosure. It provides eight CAN FD interfaces, two LIN ports, and one 100/1000Base-T channel for DoIP diagnostics. Additionally, it comprises 4G, Ethernet, and Wifi interfaces for remote data logging. *hz*

AutoTech 2025 Collaborative Partnership Award



Logo illumination is only active while headlights are on low beam or high beam (Source: Audi)

In 2025, Marelli (Italy) and OLEDWorks (U.S.A./Germany) have received an award for their development of Audi's taillights. The rear lights feature a CAN FD light commander node and multiple CAN FD light responder nodes. The awarded product is used in the Audi Q6 E-Tron and in all Audi Q3 models, launched in spring 2026.

OLEDWorks worked closely with Audi to realize their vision of digital OLED 2.0 Atala panels with 60 individually controllable segments. Marelli contributed the electronic control units (ECUs), featuring CAN FD light connectivity. This shift from multiple ECUs to a single domain controller with CAN FD network delivers significant benefits in packaging efficiency, energy savings, and design flexibility.

"Atala digital OLED 2.0 panels transform rear lights into a platform for creativity, communication, and customization," said David DeJoy, CEO of OLEDWorks. "This industry leading lighting solution is the result of close collaboration between Audi, Marelli, and OLEDWorks, combining

technical expertise and creativity across disciplines to redefine what is possible in automotive lighting."

Audi's vision for the Q6 E-Tron taillight was enabled by 6 Atala multi-segment dynamically addressable digital OLED panels featuring 60 controllable segments each. The individual control of each OLED segment is performed via a CAN-FD light network that connects the domain controller to the rear lamp gateway. The bit rate is 1 Mbit/s. This allows refreshing of each image on the OLED panel every 10 ms equivalent to 100 Hz. This refresh rate is even higher than that of a typical monitor screen, which refreshes at 60 Hz.

The Audi Q3 taillight comprises six OLED panels with 36 segments, each with individually controllable segments, enabling up to four distinct digital light signatures. Drivers can personalize lighting animations via Audi's HMI (human machine interface) system, enhancing the emotional connection between driver and vehicle, claims the automaker.

hz

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