



The dissecto HydraHat is a powerful **Dual CAN FD to Ethernet gateway**, designed for fast, reliable, and secure data communication. Supporting CAN FD with **bitrates up to 8 Mbps** and equipped with a **100 Mbps Ethernet interface**, this device enables seamless data transfer for demanding applications.

With versatile power options, including 6V-24V and PoE support, precise 1µs timestamps, and advanced encryption, the HydraHat is **ideal for time-critical and secure industrial or automotive environments**.



Features:

- **Dual CAN FD Support:** To ensure fast and efficient data transmission, dissecto HydraHat fully supports CAN FD with a bitrate up to 8 Mbps, making it suitable for demanding applications
- **High-Speed Ethernet:** Equipped with a 100 Mbps Ethernet interface, the dissecto HydraHat allows for smooth and rapid data transfer between your CAN and Ethernet networks
- **Versatile Power Options:** dissecto HydraHat can operate within a wide supply voltage range of 6V to 24V, providing flexibility in various industrial and automotive environments. The optional support of Power-over-Ethernet (PoE) enables the operation of the gateway directly via cable
- **Precise Timestamps:** The gateway provides precise time stamps for received CAN frames with a resolution of 1 microsecond (1µs), making it suitable for time-critical applications where synchronisation is crucial
- **Reliable and Secure Data Transmission:** With a robust and reliable design, the dissecto HydraHat ensures a stable and secure data transmission between your CAN and Ethernet systems. It employs industry-standard protocols and advanced encryption to safeguard your data from unauthorized access
- **Easy Integration and Configuration:** The device is designed for straightforward integration into your existing CAN bus and Ethernet networks. The user-friendly interface allows for easy configuration, making setup a breeze, even for those unfamiliar with industrial networks

Benefits:



Fast CAN FD to Ethernet

Transfers data up to 8 Mbps for rapid communication



Flexible Power Options

Supports 6V-24V and optional PoE



Secure Data Transfer

Advanced encryption ensures data integrity



Precise Timestamps

1µs timestamps for time-critical applications

Technical Specifications

- CAN Bitrate: Up to 8 Mbps (dual CAN FD)
- Ethernet Interface: 100 Mbps
- Supply Voltage: 6V to 24V DC
- Power over Ethernet (PoE) Support: Optional
- Timestamp Resolution: 1 microsecond (1µs)
- Operating Temperature Range: -45°C to +85°C
- Dimensions (LxBxH): 85 x 55 x 25 mm
- Weight: 165 g

Security Testing, simplified.

www.dissecto.com