

The dissecto HydraProbe is an essential component of our Hydra environment. Acting as a critical interface between HydraVision and the device under test (DUT), ensuring smooth data flow and control.

This ECU Security Test Tool supports **dual CAN FD**, advanced power management, and **data encryption** for **reliable cybersecurity testing**. With extended functionalities like High-Speed UART and JTAG, the interface is designed for high-performance applications. The HydraProbe can operate within the HydraVision environment or your on-site location.



Features:

- Dual CAN FD Interface:** To ensure fast and efficient data transmission, dissecto HydraProbe fully supports CAN FD with a bitrate up to 5 Mbps, making it suitable for demanding applications
- Power Monitoring:** Gain insight into the power consumption of your system and define the ECU's system state. The HydraProbe provides precise and reliable data to analyze accurate monitoring of energy-related parameters
- Power Switching:** Control and manage the power distribution to connected devices remotely. Our interface enables seamless activation and deactivation of your systems to return to the initial state of the system in the test sequence
- Voltage Regulation:** Test your system in the voltage limit ranges or outside defined specifications to recognize attack vectors that occur in the event of undervoltage. Increases the test depth
- Extended Functions:** The programmable co-processor enhances HydraProbe's capabilities, enabling the implementation of advanced functions such as High-Speed UART, JTAG, SPI, Logic Analyzer, and GPIO
- Dual Power Supply:** The HydraProbe enables up to two systems to be supplied with power. The integration of Power-over-Ethernet (PoE) allows both power supply and communication via single cable
- Secure Communication:** Interactions between the HydraProbe and its HydraVision instance are encrypted to ensure the integrity and confidentiality of your test data

Benefits:

 Fast ECU Data Interface Supports CAN FD up to 5 Mbps for real-time testing.	 Advanced Power Control Monitors, switches, and regulates ECU power.	 Encrypted & Reliable Data Encrypted data ensures safe test operations.	 Extended Functions Includes UART, JTAG, SPI, and Logic Analyzer.
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Technical Specifications

<ul style="list-style-type: none"> CAN Bitrate: Up to 5 Mbps (dual CAN FD) Ethernet Interface: 1 Gbps Extended Functionality: High-Speed UART, JTAG, SPI, Logic Analyzer, GPIO 	<ul style="list-style-type: none"> Power: 12V to 15V DC, Power over Ethernet (PoE) Operating Temp. Range: -40°C to +85°C Dimensions (LxBxH): 165 x 105 x 40 mm Weight: 450 g
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Security Testing, simplified.