DATA SHEET



EP-2500

Used in conjunction with the EP-2000, the EP-2500 marries continuous data logging with event-driven analytics.

Designed for use cases with heavy data logging requirements, the EP-2500 provides development and simulation data logging with support for CAN-FD, Automotive Ethernet, and FlexRay. It's ideal for organizations that use Aptiv Connect Qualifier for preproduction validation and want to experience the benefits of Qualifier earlier in development processes.

BOOST YOUR EFFICIENCY

With other heavy data loggers, engineering teams have to wait until the end of a test drive to extract and analyze data. Because the EP-2500 works in parallel with the EP-2000, it can begin analysis in the vehicle and provide immediate feedback when preconfigured events occur. As a result, your teams can identify product performance or data acquisition issues and start troubleshooting right away.

Using both devices at once also provides a check on data quality. The EP-2000 makes sure the data acquisition system and vehicle modules are communicating as intended. And if there are any problems or you simply want to make a change, the EP-2000's OTA capabilities allow you to update your data collection strategy without physically interacting with the vehicle.

STREAMLINE YOUR PROCESSES

Aptiv makes it easy to transition test vehicles from development to validation. During the development phase, you can install the EP-2500 and the EP-2000, along with any other desired peripherals, such as video. When you move to validation, you won't need to install any new equipment. Instead, you can simply remove the EP-2500 and leave the EP-2000 in place for event-driven data collection.

The EP-2500 is also expandable and scalable to meet a wide range of different requirements. In addition, it integrates easily with a variety of peripherals and the rest of the Aptiv Connect Qualifier preproduction validation solution.

For more information about Aptiv Connect Qualifier, visit www.aptiv.com/connected-services.

BENEFITS

- Capture vehicle data continuously while also benefiting from event-driven analysis
- Improve efficiency for your development and validation teams
- Streamline processes with standardized hardware
- Dramatically reduce your mean time to problem resolution
- Increase vehicle quality and customer satisfaction while reducing development and warranty costs

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FEATURES	
Dimensions	2U rack size (19” wide)
Power Architecture	12 V and 24 V
Processors	14th Gen i7
Operating System	Linux-based
RAM	Up to 192 GB (4 DDR5 DIMMs)
Storage	16TB or 32TB removable NVMe drive
Expansion Interfaces	7x low-profile PCIe slots
Expansion Cards	Configurable to meet your needs. Available options support: • 10 Gb or 1 Gb Ethernet • CAN-FD • FlexRay • Video • NVMe controller
USB	Up to 12 USB 3.1 Gen 2 and 4 USB 2.0
Connectivity	Interconnected to the EP-2000, enabling a full suite of quality assurance and remote operability
Scalability	Expandable and integrates easily with other devices

CONNECT EDGE SOFTWARE

- AI-enabled analytics and processing engine
- Simultaneous logging of trip data, high- and low-speed event triggers, and event- and time-based snapshots
- Nanosecond accuracy
- Self-OTA capabilities
- Support for multiple protocols, including CAN/CAN-FD, Ethernet, FlexRay, UAR/RS-232, SPI, MIPI, SLA, Soletrix, reference sensors, and radars
- Support for multiple file formats including MDF4 (ASAM v4.1 and 4.2 standard), PCAP, PCAPNG
- Support for complex event trigger logic that includes Boolean operators, math logic, and statistical functions
- Support for synthetic variables (calculated parameters)
- Two-stage data validation that includes both online and post-logging processes

ABOUT APTIV

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