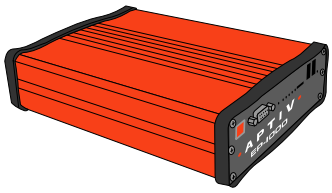
UNLOCK THE POWER OF VEHICLE DATA

APTIV EP-1000

- Capture and analyze rich vehicle data
- Dramatically reduce your mean time to problem resolution
- Improve the efficiency of your development processes
- Easily configure data collection
- Increase your quality and customer satisfaction while reducing warranty costs



Used by more than 70% of leading vehicle manufacturers around the world, the Aptiv EP-1000 is the premier pre-production validation data acquisition solution. Part of the complete Aptiv Connect Platform, this vehicle data recorder (VDR) begins analyzing and processing data in real time inside the vehicle. It then transmits only the important data to the cloud, which helps keep transmission fees, cloud computing, and data storage costs low. The EP-1000 also incorporates over-the-air (OTA) update capabilities so that you can easily configure — and re-configure — it to capture the data signals of most interest to you.

Industry-Leading Rich Data Acquisition

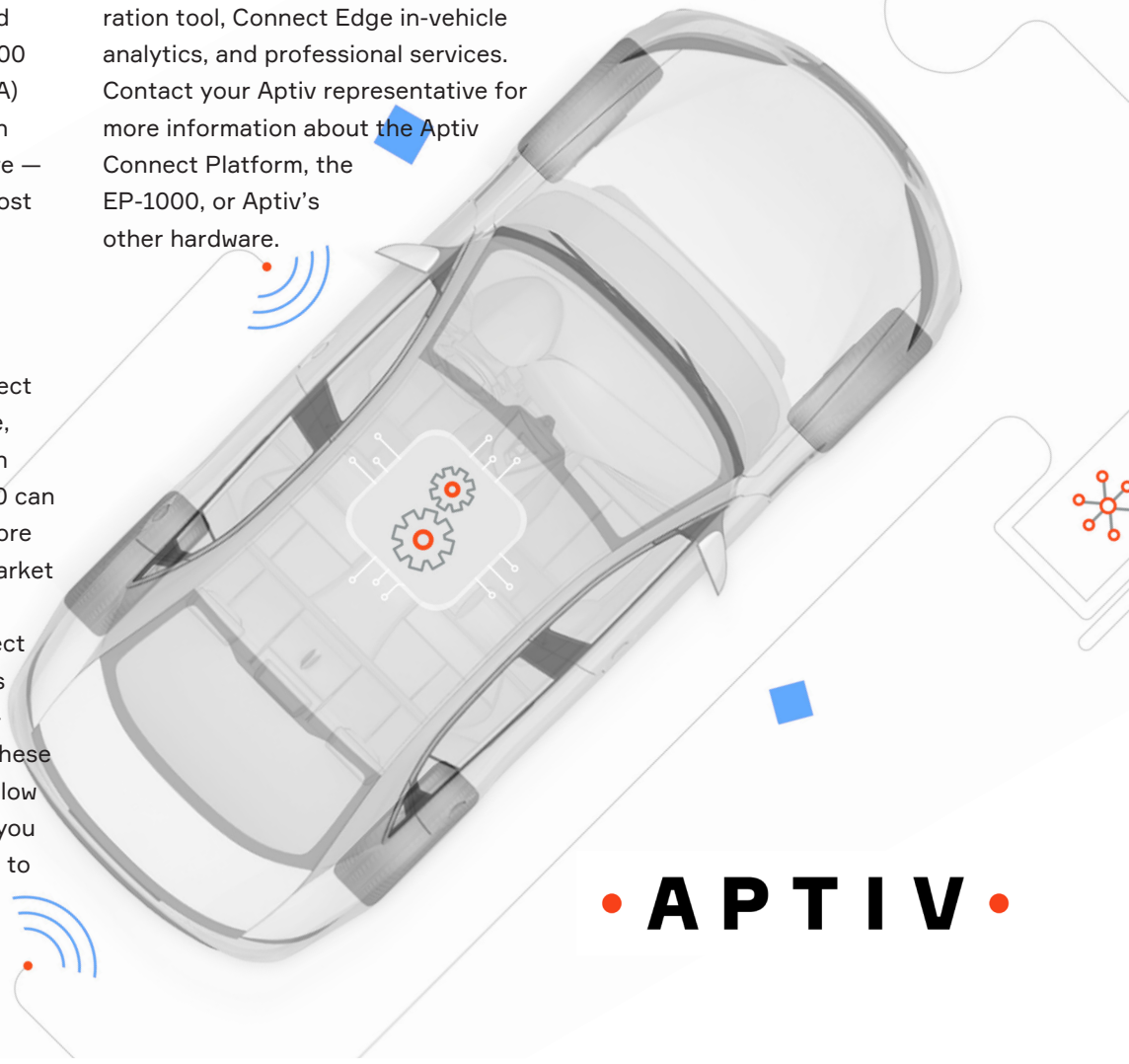
Other data loggers typically collect only CAN data at the common rate, and they can't offboard the data in real time. By contrast, the EP-1000 can capture thousands of signals — more than any other hardware on the market — with microsecond precision.

The EP-1000 runs Aptiv's Connect Edge software to detect anomalies and monitor when signals have exceeded configurable thresholds. These advanced triggering capabilities allow you to specify exactly which data you want to collect and when you want to collect it.

Multi-Protocol Synchronous Data Stream

The EP-1000 can simultaneously collect data from a wide variety of protocols, including CCP/XCP, J1939, and more. In addition to storing a full-fidelity CAN history, the VDR keeps a 1 Hz log of key data throughout a vehicle trip, takes snapshots of data in response to configurable triggers, and captures high-speed data before, during, and after anomalies.

The EP-1000 hardware is an integral part of the Aptiv Connect Platform, which includes the Qualifier suite of applications, the Developer configuration tool, Connect Edge in-vehicle analytics, and professional services. Contact your Aptiv representative for more information about the Aptiv Connect Platform, the EP-1000, or Aptiv's other hardware.



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TECHNICAL SPECIFICATIONS

EP-1000 Hardware	
Dimensions	2.12” x 8.46” x 6.14”
Weight	2 lb 6 oz
Temp Rating	-40 C to 85 C
Processors	Dual 1 GHz
RAM	Up to 2 GB
Removable Storage	Up to 128 GB microSD
Fixed Storage	Up to 1 TB
Heads -Up Display	Optional
Video	Optional
Ethernet Ports	2
USB Ports	2 standard, 7 optional
HSCAN Channels	3 standard, 7 optional
SWCAN Channels	1 optional
FTCAN Channels	1 optional
Protocols Supported	CCP, XCP, SAEJ2543, J1939, J1979, J1708, IOS-9141, ISO-14229, ISO-15765, ISO-15031, GMLAN
Wireless	802.11 b/g/n
Cellular	GCM/CDMA
GPS	1 Hz internal/ 5 Hz external

Connect Edge Software

- Analytics and processing engine
- Simultaneous logging of full-fidelity CAN history, trip data, high- and low-speed event triggers, and event- and time-based snapshots
- Microsecond precision
- Support for multiple file formats, including A2L, DBC, and ODX
- Support fo complex event trigger logic that includes Boolean operators, math logic, and statistical functions.
- Support for synthetic variables (calculated parameters)
- Remote configuration and device monitoring capabilities
- Self-OTA capabilities
- On-board diagnostics to ensure high data yield

About Aptiv

Aptiv is a global technology leader with more than 160,000 people across more than 125 manufacturing facilities and 15 major technical centers worldwide. With a presence in 44 countries, we address mobility’s toughest challenges through our deep software and systems integration expertise, delivering market-relevant solutions for our customers.

Our mission is to make the world safer, greener, and more connected than ever before. As these trends converge and the world of mobility changes, we will lead this change.

Mobility has the power to change the world, and we have the power to change mobility.