EP-800

Ideal for situations that require a small, ruggedized device, the EP-800 is Aptiv's next-generation, compact vehicle data recorder (VDR).

The EP-800 expands on the capabilities of Aptiv's entry-level VDR, the EP-600. The EP-800 can collect data from twice as many CAN channels, and it adds support for Automotive Ethernet, LIN, and DoIP. In addition, it has four times the compute power and more storage, more USB ports, a 6D accelerometer, and an integrated security chip. It also includes a unique OLED display.

But what really sets the EP-800 apart from other Aptiv VDRs is its compact size, IP68 housing rating, and reduction in necessary connections. That means the EP-800 fits easily into many vehicles where space is at a premium, and it can operate outdoors in nearly any weather conditions. You can use it to validate

- Utility and all-terrain vehicles
- Motorcycles and scooters
- Light-, medium-, and heavy-duty trucks
- Trailers, including refrigerated trailers
- Charging stations
- Boats and personal watercraft
- Agricultural equipment
- Power generation equipment
- Passenger vehicles of all kinds

⊘ BENEFITS

- **Capture and analyze vehicle data from up to 4 CAN channels**

- **Collect data from motorcycles, UTVs, commercial vehicles, boats, and other settings that require a small, ruggedized device**

- **Dramatically reduce your mean time to problem resolution**

- **Increase your quality and customer satisfaction while reducing warranty costs**

INDUSTRY-LEADING RICH DATA ACQUISITION

The EP-800 runs Aptiv's Connect Edge software, which begins analyzing data locally on the VDR inside the vehicle. It then transmits only the significant data to the cloud, improving your speed to insight. Other data loggers typically collect only CAN data at a down-sampled rate. By contrast, the EP-800 can capture thousands of signals with microsecond precision. And it's infinitely reconfigurable over the air, so you can update your data collection strategy however you like without physically interacting with the device.

AN END-TO-END SOLUTION

The EP-800 is part of Aptiv Connect Qualifier, which includes the Qualifier web application, Developer configuration tool, Connect Edge in-vehicle analytics, and professional services. Contact your Aptiv representative for more information or visit **www.aptiv.com/connected-services**.

⚙ FEATURES

Processor	Quad-core 1.6 GHz and 480 MHz processor
RAM	4 GB
Fixed storage	32 GB
Ethernet channels	1 Automotive Ethernet; 1 standard Ethernet
DoIP interface	1
CAN FD channels	4
SWCAN channels	1
LIN channels	1
Power backup	Supercapacitors for controlled shutdown
USB ports	2; USB-A and USB-C with power
Wireless	802.11 ac/a/b/g/n AP and station modes (2.4 GHz and 5 GHz)
Bluetooth	5.3 (including BLE)
Cellular	Internal CAT-4 LTE/GSM/WCDMA
GPS	Internal antenna with up to 10 Hz refresh, 2.5 m accuracy at CEP 50
Protocols supported	CCP, XCP, SAEJ2534, J1939, J1979, J1708, ISO-9141, ISO-14229, ISO-15765, ISO-15031, GMLAN
OLED display	Two lines with 20 characters each
Accelerometer and gyroscope	6D
Security	Integrated security chip
IP rating	IP65, IP67, IP68
Temperature rating	Full functionality -40ºC to 50ºC Limited functionality 50ºC to 70ºC
Dimensions	154 mm x 122 mm x 42 mm

CONNECT EDGE SOFTWARE

- Analytics and processing engine
- Simultaneous logging of CAN history, trip data, high- and low-speed event triggers, and event- and time-based snapshots from CAN, LIN, and Ethernet
- Microsecond precision
- Support for multiple file formats including A2L, DBC, and ODX
- Support for 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
- Onboard diagnostics to ensure high data yield

ABOUT APTIV

Aptiv is a global technology company that develops safer, greener, and more connected solutions enabling a more sustainable future of mobility.
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