J1939/J1708 DATALOGGER

Have a fleet of vehicles? Want to monitor what is happening to figure out why one vehicle is consuming more fuel or who is driving unsafely? What if you could do ALL of this with one hassle-free product without breaking the bank?

The IOSiX J1939/J1708 Data Logger is perfectly suited for these tasks. All you have to do is plug it in and go! You can easily configure which parameters are recorded and the rate at which the data is logged, or you can log everything on multiple data buses. The unit is capable of recording both manufacturer-specific and generic J1939/J1708 data as well as raw CAN bus data. An onboard 3-axis accelerometer and cabin temperature sensor provide additional information to monitor vehicle dynamics and driver behavior, even aiding in accident reconstruction and driver improvement.

The logger can be easily integrated with other IOSiX products for extended monitoring capabilities. The built-in GPS option allows GPS data at up to 10Hz to be logged synchronously with vehicle data.

Extensive wireless communication options, including WiFi and cellular (GSM/CDMA 2Q 2014), are available to facilitate automated data upload. Non-J1939/J1708 sensor data, including high-frequency signals, can also be synchronously acquired with the integration of an IOSiX DAQ.

Whether for a single vehicle or a fleet of vehicles, the IOSiX J1939/J1708 Data Logger is perfect for any tracking and monitoring application ranging from R&D to commercial and personal use.
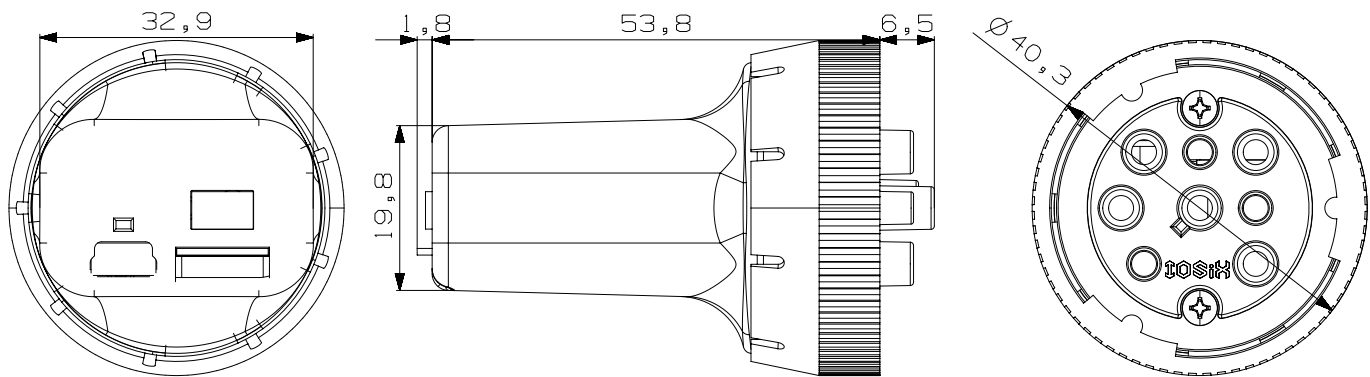
Key Features

- Support for all existing truck protocols, up to 3 CAN buses and J1708
- Easily configurable data logging (parameters, rates)
- Capable of logging both manufacturer-specific and raw CAN data
- Custom firmware available to perform logic/calculations on-the-fly
- Can interface wirelessly to a computer, tablet, or phone for real-time data collection or can acquire data autonomously
- Data is logged to a microSD card (up to 32GB) or on-board flash
- Temp sensor, Real-Time Clock, and 3-axis/400Hz accelerometer
- Easy integration into customer workflow
- Mutitude of wireless options:
    - WiFi 802.11bgn, Bluetooth 4 Low Energy single and dual mode
    - 900MHz and 2.4GHz packet radio, ANT, Zigbee 802.15.4
    - CDMA/GSM 3G & LTE, 10Hz GPS (internal or external antennas)

Dimensions (mm)

Ordering and Pricing

For more information, a demonstration, or ordering please contact IOSiX:

US/Canada: **(855) OBD-1939**
International: **+1-415-800-2060**
info@iosix.com
http://www.iosix.com

Other IOSiX Products

- OBD-II Logger
- GPS/GSM Tracker
- Video Logger
- GPS Logger
- DAQ Module (Universal Analog Device)

- Automotive & Engineering Consulting
- Custom Electronics Consulting

IOSiX was founded as an engineering consulting firm in 2005 by Robert Vogt IV, and later formed as a Michigan Limited-Liability Corporation. Originally focused on data loggers for research and development applications, IOSiX has now moved into the consumer and fleet markets.

IOSiX holds intellectual property in the areas of:

Automotive Diagnostics Protocols
ISO 9141, ISO 14230 KWP, ISO 15765 CAN,
SAE J1850 VPW, SAE J1850 PWM
Heavy-Duty Diagnostics Protocols
SAE J1939 CAN, SAE J1708
Instrumentation
Analog, digital, temperature, frequency,
pulse width, acceleration, vehicle-specific
GPS tracking (back-end and user interface)

Embedded hardware design (digital & RF)
Real-time embedded operating systems
USB 2.0 CDC (Communication Device Class)
microSD & SD memory card interface and filesystems
Short-range/personal radio
Bluetooth, Nordic/ANT, 900MHz, 802.11b/g/n
Long-range/packet radio
GSM, CDMA, Satellite/SBS
Video and Audio

IOSiX products are focused on innovation - we only design devices that outperform others on the market, often in terms of size, capabilities, price, and support. We are able to customize products or leverage existing IP to quickly bring a new device or feature to market for our customers, and have developed a variety of products that are sold under our customer's labels. We also perform a wide variety of electronics and software consulting, including vehicle components, power supplies, aftermarket devices, etc.