

PRODUCT CATALOG



Creating trusted, engineering solutions that make a difference.



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influxbigdata.in



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WHO ARE WE?

Influx Technology LTD was established (in the U.K) in 1999 and has since provided innovative engineering solutions. We specialize in big data management systems for advanced engineering applications.

At Influx, we create trusted engineering and automotive edge computing solutions that make a difference. Our expertise lies in CAN bus data loggers, CAN bus instrumentation modules, and CAN bus software tools.

Industry leaders in automotive data
management systems



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More than 1000+ companies worldwide are using our products. Check out how Influx is integrated into their systems.

 REXGEN SERIES

The Influx ReXgen Series is one of the smallest, compact, robust and powerful handheld flight data recorder available in the market today.



SCAN ME



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REXGEN AIR - 4G - CLOUD ENABLED



- Up to 4 CAN/CAN FD buses.
- x2 Analog Inputs.
- x1 LIN bus x2 Digital inputs Integrated 18Hz GNSS (u-Blox).
- Integrated IMU (6 axis)
- Encrypts data logs using Advanced Encryption Standard (AES) .
- Open API or XML Schema provided.
- Live CAN/CAN FD Monitoring.
- Enables Locking of the device using RSA data security.
- Data transfer and configuration over Micro USB 2.0 or LTE CAT-1.
- Secure Data transfer using FTPs.
- Supported Data formats - ASAM MDF4 MATLAB (.mat), CSV, ASC & BLF .
- Various sleep modes, with low power consumption.
- Automotive grade Molex Mini50 connection system.

REXGEN 1/2/IMU



- 2x CAN 2.0/CAN FD buses.
- 2x digital I/O channels.
- 32GByte eMMC storage -security data.
- Plug and play.
- CAN frame error detection.
- Powerful graphic interface application tool.
- ASAM MDF(*.mf4 format) -international standard data format.
- Data exportable in open formats MDF4 and CSV.
- Supported Data formats - ASAM MDF4 MATLAB (.mat), CSV, ASC & BLF .
- Very low power consumption in sleep mode and WakeOnCAN or wake up signal feature.
- Micro USB 2.0 - Higher speed connection to logger.
- IP65 enclosure protection.
- Easily stackable and installable with 4 multi function screws.
- Encrypts data logs using Advanced Encryption Standard (AES).
- IMU Gyro and Accelerometer system. (ReXgen 2 IMU).
- Inbuilt 18Hz GNSS module (ReXgen 2 IMU).
- Enables Locking of the device using RSA data security.

DATA TO THE CLOUD



REBEL SERIES

Perfect for vehicle fleet on-road data logging and Vehicle engineering testing with OBD data, J1939 data, CAN monitoring with DBC and CCP/xCP on CAN Bus for data logging applications.



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REBEL SERIES OFFERS



- CAN and LIN support.
- 3x digital I/O channels.
- 4x analog input channels (Each channel can be calibrated independently).
- Supported protocols CCP, xCP on CAN and xCP on FlexRay, UDS (ISO14229), J1939, OBD.
- SDXC card data storage (Maximum capacity 128GB).
- Galvanic isolation (USB, enclosure).
- IP65 dust and splash-proof cover – SD card securely housed behind a flip panel.
- Low power consumption in sleep mode and WakeOnCAN or WakeOnSignal feature.
- LTE CAT 1 connectivity for remote fleet management* (Optional).



REBEL CT CAN FD



REBEL LT



- 4x CAN (2x CAN FD) buses.
- 2x LIN buses.
- 18Hz GNSS with 1 kHz XYZ Accelerometer and Gyroscope* (optional).

- 2x CAN 2.0 buses.
- 18Hz GNSS with 1 kHz XYZ Accelerometer and Gyroscope* (optional).

REBEL CT7 FLEXRAY LOGGER

- 7x CAN 2.0 buses.
- 3x LIN buses.
- 2x FlexRay channels.
- 18Hz GNSS with 1 kHz XYZ Accelerometer and Gyroscope. (Optional)



 REBEL DASH

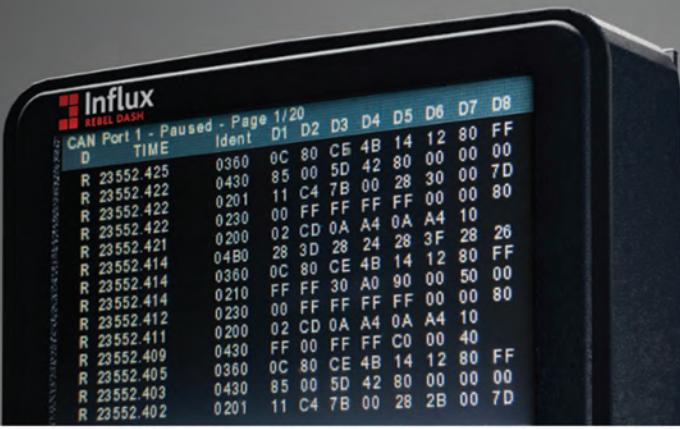
The Rebel Dash is part of our compact, highly flexible and rugged CAN bus products. Designed to be integrated with the Rebel range of data loggers, it can also be used as a standalone CAN display.



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Eliminate the use of laptops during vehicle tests



CAN BUS DISPLAY

KEY FEATURES

- Parameter list mode.
- Dials and digital LED mode.
- Graphing mode.
- CAN trace viewer mode.
- 3.5 inch, high brightness QVGA (320 x 240 pixels) colour display.
- Display viewable in direct sunlight.
- IP65, electrically and environmentally rugged.
- Freely distributable configuration Windows™ application .

MULTI CAN DAQ

Stackable instrumentation designed for accurate sensor measurement, with captured data being transmitted on the CAN Bus. Ideal for applications requiring quick set-up and collection of thermocouples, analog, digital and PWM inputs.



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K-TC - STANDALONE TEMPERATURE DATA LOGGERS

- 8/16/32 thermocouple connections at 20Hz sampling rate.
- Configuration and programming via CAN or USB interface.
- Simple signal configuration using a DBC file.
- Supplied with configuration software Influx K-Cal for Windows® and configurable via a DBC file.
- 8Gb internal memory for standalone data logging.
- CAN Bus output capability



K-AN8 / AN8 MULTI DAQ KIT

- 8 Analog inputs with variable input sampling rates. (8 channels at 1k Hz, 4 channels at 5k Hz).
- PWM: 3 inputs frequency measurements, counters, or pulse measurements.
- Outputs: 4 Relay outputs. (Optional).
- Regulated +5V and +24V output power supply for external sensors.
- Software Switchable voltage input ranges from ±10V - ±80V
- CAN Bus output capability.

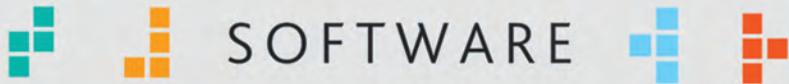


All K-series units have CAN output capabilities, same can be used along with data loggers synchronously with the vehicle network data.

K-BOX / K-BOX MULTI DAQ KIT

- Software Switchable voltage input ranges from ±10V - ±80V
- Up to 8 K-type connections at up to 20 Hz sampling rate.
- 8 Analog inputs with variable input sampling rates (8 channels at 1k Hz, 4 channels at 5k Hz).
- PWM: 3 inputs frequency measurements, counters or pulse measurements
- Regulated +5V and +24V output power supply for external sensors.
- Supplied with configuration software, Influx K-Cal for Windows® and configurable via a DBC file.
- Instrumentation data time synchronised with recorded vehicle network data via CAN.
- Galvanic isolation between modules (enclosure, power, CAN BUS and analogue input module and thermocouple input module).
- Measurement accuracy: +/- 1 degree C, Measurement resolution: 0.1 degree C
- Stackable ABS enclosure.
- CAN Bus output capability.





Explore our range of Software's for CAN Bus network, capable of On-Board diagnostics, CAN Bus analysis, fleet management with Real-time data streaming, and more. Advanced data logging software that provides tools to configure, analyse and export detailed CAN Bus data faster.





CAN Data Logger configuration with integrated data analysis.

- Build and exchange Rebel data logger configuration files.
- Connect and re-configure Rebel data loggers via USB.
- Monitor live data in a graphical viewer.
- Upload and analyse data recording files.
- Supports in-field firmware upgrade.
- Batch processing and data export.
- Supports direct connection to StreamLog servers.
- Create DBC files.

SOFTWARE

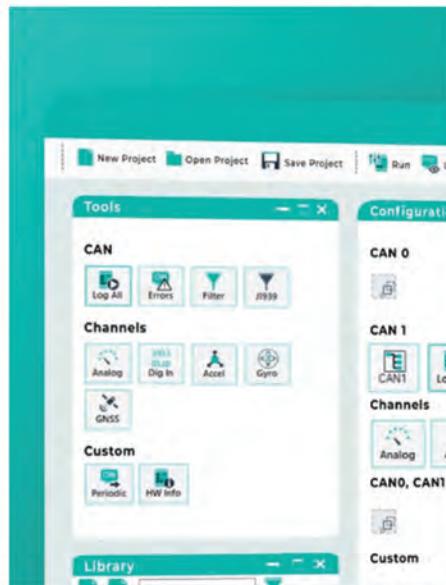
SOFTWARE

SOFTWARE

REXDESK

Easy-to-use configuration and data handling software for ReXgen.

- This software is designed to support ReXgen through its entire lifetime, with tools for:
 - First-time ReXgen Data Logger set-up.
 - Preparation and configuration for data logging.
 - Data retrieval and conversion, with live data viewing.



DASHBOARD

Configurable Telematics Dashboard for the fleet test vehicle

- Visualise your physical data/or stored data for free on a highly customisable dashboard.
- open-source and cloud-based dashboard.
- No custom code needed: build a dashboard specific to you.





FEW APPLICATIONS

■ REXGEN AS A BLACK BOX ■ FLIGHT DATA LOGGER

Existing multi-role mini aircraft lacks a robust data logging system to record all the events during a flight

- ReXgen 2 IMU is used for logging the CAN network data during flight.
- IMU data is also recorded to study flight dynamics.
- Engine performance is studied after decoding the recorded data using CAN DBC files.



REXGEN FOR ELECTRIC VEHICLES

ReXgen data logger is successfully used to monitor various EV parameters during the development and validation phase.

- Individual cell balancing states.
- Cut-off monitoring.
- SOC vs Distance
- Temperature monitoring



REBEL DASH & REXGEN AIR ON A MOTORCYCLE

ReXgen Air and Rebel Dash are used to study customer riding patterns.

- CAN network or OBD data is recorded along with inbuilt Analog input & displayed on DASH.
- Various external sensors are connected to the analogue input, which helps determine the vehicle dynamics like suspension movement.
- The customer also makes use of the GPS and IMU data.
- The data is pushed to the server for analysis via FTPS.

OFF-HIGHWAY VEHICLE VALIDATION IN HARSH ENVIRONMENTS (J1939)

ReXgen Air is used in the study to record & manage data.

- Collects ECU and instrumentation data from the tractor and transmits it to the cloud server for effective and effortless fleet data analytics.
- Accurate location and ECU data are transferred over FTPS to their cloud data processing system.
- The logger manages the entire fleet remotely.
- ReXgen supports J1939 filters based on PGN and source or destination address.



AUTOMATED FLEET TESTING OF PASSENGER VEHICLES (EV OR IC)

Influx Products Used: Rebel series with K-TC and StreamLog

- Rebel logger is used for logging XCP/CCP (from ECU) with temperature data (using K-TC8) from various locations in the vehicle.
- Streamlog manages the logger remotely, enabling configuration changes, analysis or switching the configuration after updating it with a different A2L file.
- Fleet reports are auto-generated daily from the streamed data. Email alerts are set on events that occur in the vehicle, such as abnormal misfires, overheating etc.



And much more..

MAKING DATA MANAGEMENT EASY SINCE 1999

Influx Technology solutions are locally supported worldwide by our partner organisations.



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