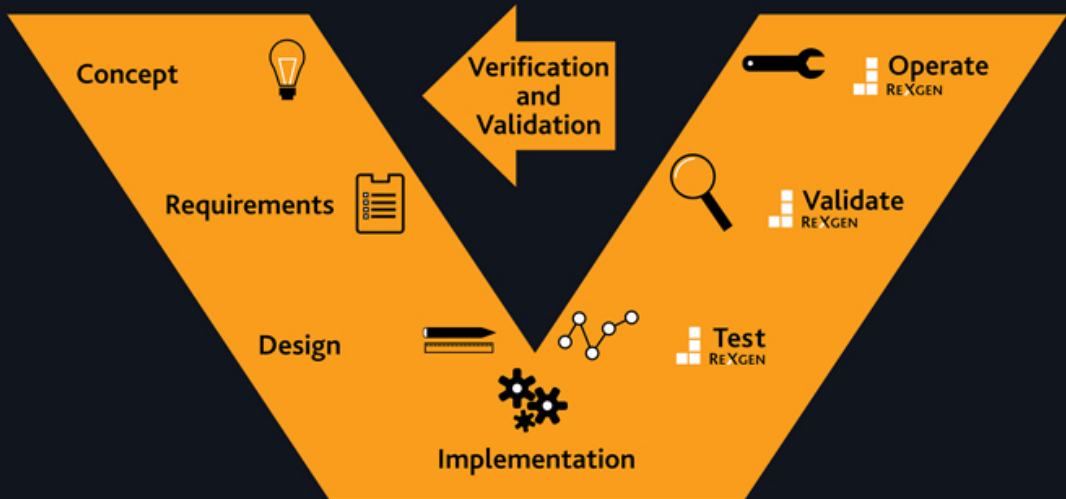




RE^{liable}neX^tGEN^{eration}

data computing



**When data is critical, and messages
just cannot be missed...**

We recognise the importance of **Data Security** and every detail of the ReXgen 1 has been considered to ensure the ReXgen 1 can be trusted in CAN networks.

Next generation data computing, capturing data throughout your product's life cycle.

We designed the ReXgen 1 to be fitted on your product during development and eventually even production, capturing continuous data and events.

The ReXgen1 is one of the most compact, pocket-sized pass-thru device, which is also a data logger suitable for automotive and various industrial applications.

The device is designed to:

- Support J2534 (Pass-thru).
- Logs data continuously for hours from a CAN bus.
- Saves your data to the embedded SD memory card.

ReXgen1 device tolerates all harsh environments that require IP65 class protection. It can be easily mounted and integrated with your vehicle /machine.



RE^{liable}neX^tGEN^{eration}



Reliable

- Robust IP65 enclosure
- Industrial temperature specification
- With 1000's of hours of rigorous in-field testing



Secure

- Reliable non-removable eMMC data storage
- Fixed device mounting positions



Accurate

- Micro Sec timestamped data



Data

- 1x CAN buses
- Functions as an interface device and supports J2534 (Pass-thru).
- Supports live CAN monitoring RAW CAN signals, SAE J1939.



Trust

- Reliably wakes up from multiple sources and records every-time!
- Supports various Sleep modes



- Supports 1XCAN bus.
- Functions as an interface device and supports J2534 (Pass-thru).
- Supports live CAN monitoring RAW CAN signals, SAE J1939.
- Sleep modes with wake up on CAN with low power consumption.
- Encrypts data logs using Advanced Encryption Standard (AES).
- Enables Locking of the device using RSA data security.
- Open Libraries for logger management and data conversion.
- XML based configuration, Schema provided.
- Supported with free ReXdesk software, that allows the user to export the loaded data to .mf4, .csv, mat, .asc, .blf, .trc and .rxd format.
- Supports free firmware updates for adding features.
- Tolerable to harsh environments with an IP65 rating
- Free powerful graphic interface application tool ReXdesk provided.
- Micro USB 2.0 PC interface
- CAN error logging

Hardware Versions

Current Range (Non-modular)



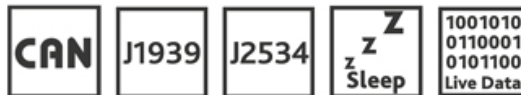
REXGEN1 8GB

REXGEN

Reliable, Secure, Accurate
data computing that you can trust.



P/N: INF2109



Along with all the listed features RexGen 1:

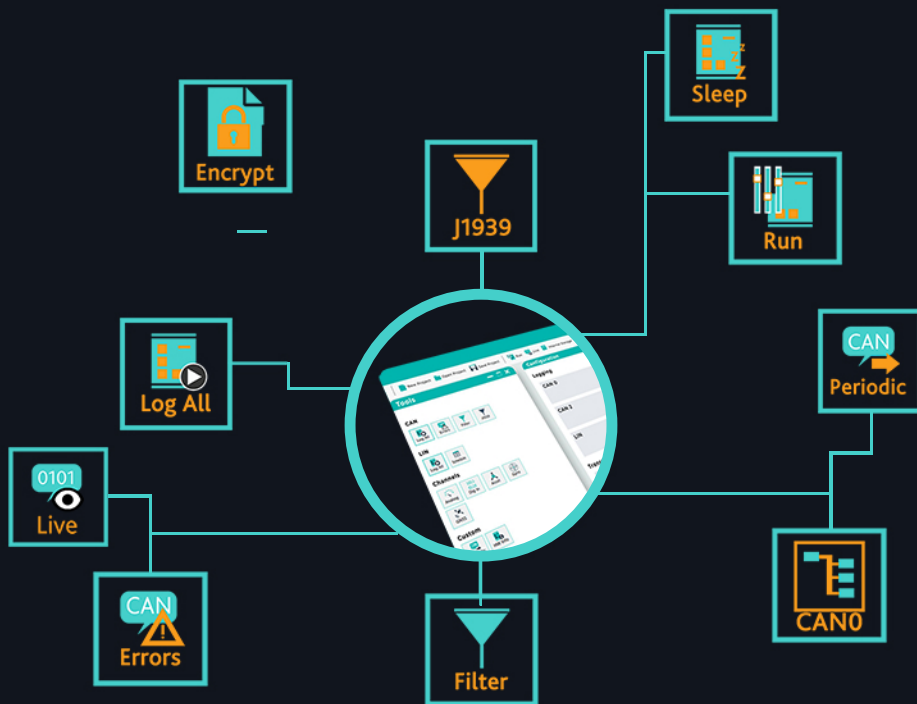
- Efficiently records CAN bus data and Advanced message filtering on configurable channels (J1939 and CAN)
- Supports Advanced triggering options and Advanced CAN bit timing configuration.
- The most compact, cost-effective plug-and-play device operates as a CAN bus interface for real-time USB streaming and has 8GB eMMC storage.
- Supports cyclic logging mode and operates in silent mode.

Functions	ReXgen 1
CAN Interfaces	1 x CAN ISO 11898-1: Compliant with CAN (up to 1 Mbit/s) Conforms to CAN protocol version 2.0 - part A, B Max 20000 MPs Meets the requirements of ISO 11898-2:2016 & ISO 11898-5:2007 physical layer standards
PC Interfaces	Rugged Micro USB 2.0 (Datalogger mode and J2534)
Data Storage Capability	8 GB Inbuilt eMMC storage
Supported Protocols	CAN Monitoring (RAW CAN signals, SAE J1939 support)
LEDs	1
Triggering	Trigger on a CAN ID, Trigger on Parameter Value Trigger on DM1 counter.
Data Storage format	FAT32, Log files accessible via ReXdesk software
File Format Supported	ASAM MDF (.mf4), CSV, MATLAB, ASC, BLF
Data Logger Configuration	Supplied with Influx ReXdesk configuration software, XML based
BUS & Signals	Operating Voltage
Power supply - OBD	+4.5 to +31V
Power supply - USB	+4.5 to +5.5V
Function	Description
Transceiver Protection	Bus fault protection: ± 58 V Thermal-shutdown protection (TSD) Under-voltage protection
Enclosure	PC+ ABS
IP Rating	IP65
Dimension	L - 100 mm, W - 73.5 mm, H - 27.4 mm
Weight	164 Grams
Mounting Holes	Four mounting holes and screws
Environmental Tolerance	Working temperature -40degC to +85degC; Humidity max 90%
Power Saving	Wake Up On CAN, Power Down Mode, Sleep Modes,
Power Consumption	Normal Operation: 87 mA at 12 V Power Down Mode: <2 mA



Influx

REXDESK





ReXdesk is our freely distributable configuration and general-purpose software tool to work with the ReXgen. Designed to make CAN bus data logging easier.

ReXdesk supports multiple DBC files enabling configurations that includes filters and log on parameter values. Freely distributable, ReXdesk can be downloaded from our website.

ReXdesk

Configure logger and retrieve data

- Triggers, on parameter value or CAN Identifier
- Supports Command Line Interface
- ReXdeskconvert console application available
- Supports J1939
- CAN error logging and Live CAN trace viewer
- Fast data retrieval and export to other format files
- Software Operating System: Windows
- Supports industry standard DBC files
- Supports standard and extended messages



Live Data

Allows monitoring of Live CAN data.



CAN

Allows to configure the CAN bus.



Filter

Allows to filter CAN Bus data, using DBC file



Encryption

Encrypts data logs/devices using Advanced Encryption Standard.



Periodic

Supports periodic CAN message transmission.



Sleep

Supports various sleep modes, for minimal power consumptions.



Can Errors

Allows to log CAN bus Errors.



More

Find more functions on our website

Influx Technology Ltd



sales@influxtechnology.com

www.influxtechnology.com



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