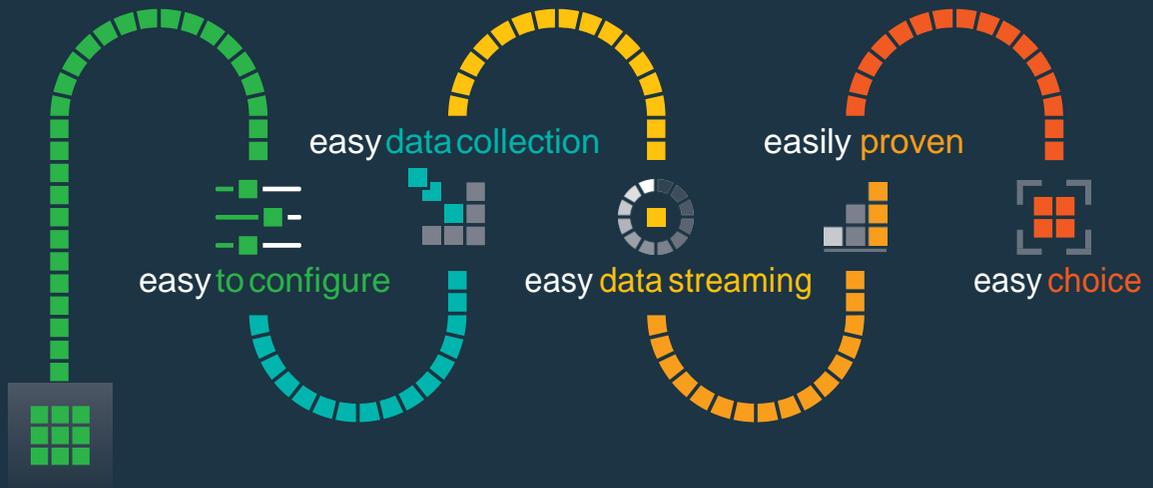


# Influx

REBEL CT



# Out the box data loggers



connect, simply configure and go



The standard Rebel Compact (CT4) is a small robust data logger ideal for applications which require vehicle network data. It is packaged in a robust IP65 enclosure and can be expanded to include GPS, accelerometer, Wifi and 3G.

#### Features:

- 4x CAN buses
- 2x LIN buses
- 4x digital I/O channels
- 4x analog input channels
- SDHC card data storage
- Dust and splash proof cover – SD card securely housed behind a flap panel

#### Options:

- Internal 18Hz GPS with antenna
- 1kHz internal XYZ accelerometer +/-16G max
- u-blox 3G GPRS modem
- Wifi
- K-Box
- Rebel Dash display

# Influx

## REBEL CT FLEXRAY



The Rebel CT FlexRay is our most powerful data logger yet.

### Features:

- 7x CAN buses
- 4x digital I/O channels
- 4x analog input channels (via standard connector)
- SDHC card data storage
- Dust and splash proof cover – SD card securely housed behind a flap panel

- 2x FlexRay channels
- 3x LIN buses
- Internal 18Hz GPS with antenna
- 1kHz internal XYZ accelerometer +/-16Gmax

### Options:

- u-blox 3G GPRS modem
- Wifi
- K-Box
- Rebel Dashdisplay

## Typical Applications

### Vehicle Test - OBD mode

The Rebel data logger can collect OBD data including PIDs and DTCs on cars and J1939 data on heavy duty vehicles.

The Rebel has a real time clock to time stamp data and a range of sleep modes to prevent power drain on vehicles.

### OEM data acquisition - CCP/xCP on FlexRay and CAN

The Rebel loggers with the Dialog software support CCP/XCP and UDS fast data acquisition. The Rebel CT FlexRay provides a powerful solution to expand into FlexRay data logging with optional instrumentation.

### CAN bus data logger applications

The Rebel data loggers can be used to collect raw CAN messages in a "listen only" mode.

### Customer vehicle investigations

The compact size, reliability, remote logging and power down modes mean the Rebel data loggers can be discretely fitted to customer vehicles.



DiaLog is our data logger configuration and data analysis tool. Dialog supports A2L, CCP, xCP, ODX and GPS mapping. It's intuitive interface ensures easy set up of triggers, remote logging and data merging with export functions. Dialog also includes a powerful batch processing facility to compress and export large data files to other formats.



A 5 in 1, easy to use CAN bus analyser with the following features:

- Automotive OBD ISO15765 Scan tool and J1939 functions
- Automotive UDS support ISO14229
- Integrated ODX/MDX editor
- CAN and LIN BUS monitoring via DBC/LDF files
- Data acquisition and logging
- Reverse Engineering

CAN network analysis tools often require you to use a separate application for automotive functions such as J1939, UDS diagnostics, module reprogramming and CAN monitoring functions.

Module Analyser brings these features together in a single environment.

# Product Specification

Function	Description
Supported Protocols	Keyword 2000 (LIN and CAN) ISO15765/ISO14229 (UDS) CCP, xCP CAN monitoring (raw CAN signals or via CAN DBC) J1939
CAN functions	Output CAN signals (applications include driving display units) Output/receive user defined CAN messages (create additional diagnostic commands)
Data storage format	FAT32 (PC readable)
Data logger configuration	Configuration via USB, WiFi, 3G and SD card
Trigger Conditions	Up to 40 configurable conditions (>, <, =, increment, decrement or on-change)
Trigger Actions	Up to 40 configurable triggers Functions include start or stop, read one-shot data, read DTC, read OBD data. Configurable pre and post trigger times Configurable LED
Wake up time	Wake up from normal sleep mode logging starts within 20mSec  Wake up from power down mode, logging starts < 5 secs

# Rebel CT Data Loggers

A flexible, compact and configurable family of data loggers:

**The CT4** – out the box data logger. Connect, configure & go!

**CT7 FlexRay** – combines FlexRay and additional CAN channels

	CT 4	CT7 FlexRay
CAN	X4	X7
LIN	X2	X3
FlexRay	No	x2
K-Line	No	No
Ethernet (LAN)	No	No
Analog inputs	x4	x4
Digital I/O	x4	x4
USB interface	Yes	Yes
Dimension (LxHxW) mm	126x35x110	126x45x110
IP rating	IP 65	IP 65
SD HC (max)	128 Gbyte	128 GByte
GPS	18Hz (option)	18Hz
Modem	3G (option)	3G (option)
Wifi	option	option
Accelerometer	1kHz (option)	1kHz

# Technical Data

	Rebel CT4	Rebel CT7 FlexRay
Power supply	4.7V to 36V DC	
Power consumption	Normal operation approx 300mA at 12V Sleep mode approx 80mA at 12V Power down stand by mode approx 3mA at 12V WakeOnCAN	
PC interfaces	USB2.0 Type B	
LIN interface	2x LIN bus	3x LIN bus
FlexRay interface	none	2x channels
CAN interfaces	4x CAN 2.0B max 1MBit/s	7x CAN 2.0B max 1MBit/s
Enclosure	Dimension (LxHxW) 126x 35 x 110 mm Weight 370g	Dimension (LxHxW) 126x 45 x 110 mm Weight 524g
	Aluminium	
Environmental	-40degC to +85degC Humidity max 90%	
Other interfaces	LIN J1708(option)	
Data storage capability	user removable SDHC max 128GByte	
Sensors		

# Technical Data

	Rebel CT4	Rebel CT7 FlexRay
	Analog Inputs	
Number of channels	4 bipolar single-ended inputs	
Range	+/- 10V	
Resolution (ADC)	12 bits	
Max sampling rate	1 KHz	
Input Impedance	>50K Ohms	>80K Ohms
Input Protection	+/- 40V	
Thermocouple	0	
	Digital Input/Output	
Number of channels	4 unipolar single-ended inputs/outputs	
Input switching thresholds	Low < 2V, High > 2.5V (up to 36V)	
Output Drive Specification	Collector-emitter voltage 36V max Collector current (DC) 100mA max. Saturation voltage (OKon)<0.6V	
Min-Max Applied Voltage	-0.6 to 36V	
	Options	
Fleet Management	Remote Connection to StreamLog enables remote event monitoring, remote reconfiguration and data streaming.	
Integrated Wireless LAN	WiFi 802. 11abgn 2.4/5GHz module	
Integrated Modem	u-blox 3G GPRS modem with external antenna	
Internal GPS	Internal GPS with external antenna (18Hz refresh rate) Position accuracy<2.5 mtrs	



# Rebel Data Loggers - A complete solution

The Rebel range offers a complete data logging solution for vehicle network and sensor data.

- **Robust and reliable** collection of data from several sources, without user interaction, for prolonged periods
- **Easy setup** with no need to write complex scripts
- **Configuration software provided** for set up and analysis
- Log data **in minutes**
- No fans, hard drives or other mechanical rotating components
- No operating system = **no long boot up times**
- **Very low current consumption** in power down mode
- **WakeOnCAN** supported
- Digital input/output channels
- LIN

Rebel data loggers are compact with optional add-ons such as:

- K-Box for K-type thermocouples and analog instrumentation
- Rebel Dash display
- Logging on up to 7 CAN BUS channels
- LIN
- FlexRay
- Wifi
- u-blox 3G GPRS modem
- 18Hz u-blox GPS
- 1 kHz XYZ accelerometer

Distributor:



The Annexe • 81 Horslow Street • Potton • Bedfordshire • SG192NX • UK T:  
+44(0)1767 262922 • sales@influxtechnology.com • influxtechnology.com

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