

CANnector Log

CANnector Log is a preconfigured version of the CANnector S device, enabling users to easily log CAN data without time consuming configuration. The four provided basic CAN logging configurations initialize all 6 CAN interfaces with 125 kbit/s, 250 kbit/s, 500 kbit/s, or 1000 kbit/s and log all received data in csv format. For logging a 16 GB USB memory stick is included. Data logging is executed autarkic on the device, a PC is only needed for a user specific configuration or visualization of live data.



Since CANnector Log is based on the common CANnector S variant, the device functionality can easily be adapted or enhanced by using the ACT tool – providing extended logging functionality or even bridge or range extender functionality.

HIGHLIGHTS

- Up to 6 CAN buses (thereof 2 CAN FD capable)
- Supports CAN listen only (CAN RX)
- Switch-on on CAN (self switch on in case of any CAN communication or a defined message)
- Extensive filter and trigger options to reduce data flooding
- Storage to any USB memory device possible – no data restrictions
- Easy access via USB, LAN or optional WLAN/WiFi, 4G
- Signal-oriented or frame-oriented logging
- Plug&Play, but also configurable/programmable
- Standalone operation
- Extended temperature range (-40 °C to 80 °C)
- Galvanic isolation
- DIN rail mountable

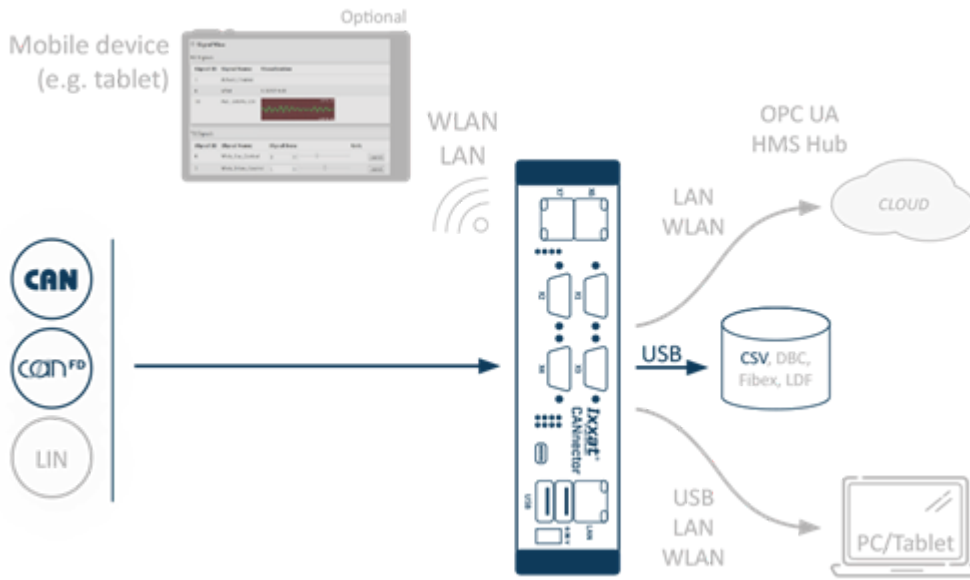
LOGGING OPTIONS

Preconfigured logging operations

- Logging of CAN data from all 6 CAN interfaces
- Frame based logging
- Storing data on USB memory stick in CSV file format
- Webserver for device management and log-file retrieval
- Supported CAN baudrates 125 kbit/s, 250 kbit/s, 500 kbit/s, or 1000 kbit/s –depending on selection
- Permanent logging without trigger or filtering

Advanced features via user configuration (using ACT)

- Logging of CAN, CAN FD, LIN and IO data
- Powerful trigger and filter settings via easy to use drag-&-drop configuration
- Ringbuffer for pre-trigger recording
- Signal based logging (based on imported bus description files)
- Low power sleep mode and switch-on on CAN(FD)
- Data storage on USB memory, PC or cloud
- Remote device management (OPC UA, HMS-Hub)
- LAN/USB/WLAN (optional WLAN module required) access for signal visualization



Further functionality is provided by the CANnector S/L or Bridge/Range versions.

→ [Learn more...](#)

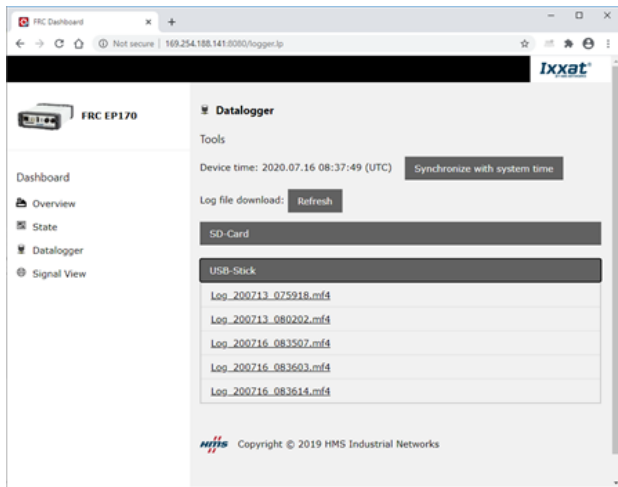
CONFIGURATION AND OPERATION

CANnector Log is preconfigured and can be used directly without further configuration.

However, for customers which require specific functionality – e.g. with message filtering or triggers – HMS provides easy to use tools to use the logger “your” way.

Dashboard

With the dashboard, that is accessible with a standard web browser via Ethernet, USB or WLAN (WiFi), the CANnector Log and the connected bus systems can be monitored, the different basic configurations can be selected, started and stopped on the device, log files can be uploaded to the PC, and live data can be visualized.

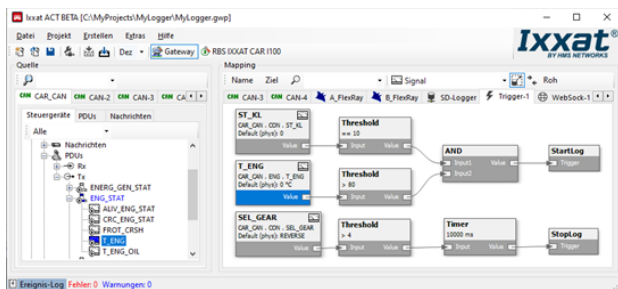


ACT Tool

ACT is Windows based and allows the easy creation of configurations with or without bus description files via drag and drop. The ACT tool provides further configuration possibilities (e.g. changing triggers and filters).

→ Download Ixxat ACT Setup (for Freeware/Lite/Standard)

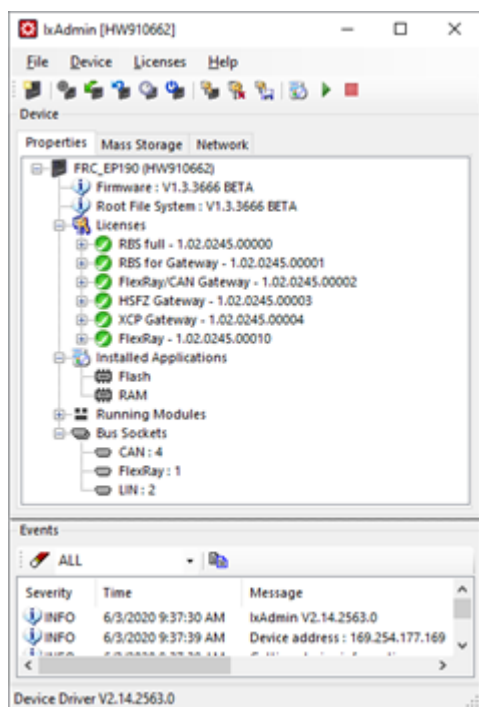
→ Learn more about the ACT features



IxAdmin

IxAdmin is included in the ACT tool. With IxAdmin the different basic configurations can be selected, started, stopped and downloaded to the device. Changing baud rate settings and uploading log files to the PC is also possible.

→ Download Ixxat IxAdmin Setup



TECHNICAL SPECIFICATIONS

Dimensions (L x W x H)	196 x 113 x 43 mm
Protection class	IP40
Weight	Approx. 790 g
Operating temperature	-40 °C to +80 °C
Power supply	6-36 V DC
Current consumption	Typ. 420 mA at 12 V (Sleep mode: typ. 7.5 mA at 12 V)
Housing material	Aluminum, stainless steel
Relative humidity	10-95 %, non-condensing
Host system	Power PC, 256 MByte RAM, 256 MByte Flash
Ethernet	10/100 MBit/s, RJ45
USB	2.0 high-speed device, USB-B 2.0 high-speed device, USB-A
CAN FD transceiver	Microchip MCP2562FD
CAN RX only	Hardware switchable
CAN high-speed transceiver	Texas Instruments SN65HVD251
CAN bus termination resistor	High-speed/CAN-FD: none
LIN transceiver	NXP TJA1020

CONTENTS OF DELIVERY

- CANnector Log
- Cables for Ethernet, USB
- Hardware and user manual

Order number

1.01.0091.01000	CANnector Log *
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→ * Further versions of the CANnector with additional interfaces and features can be found within the automotive section.

Accessories

Type	Order number	Product image
Sub-D9 Connector with CAN Termination	1.04.0075.03000	
CAN cable	1.04.0076.00180	
Y CAN cable	1.04.0076.00001	
More accessories and detailed information...		