

FAST EnergyCam RS 485

Quick Start Guide

1 – How it works

EnergyCam RS 485 reads mechanical meters such as electricity, gas and water meters and transmits meter reading data via RS 485.

This guide gives you all the information you need to set up and run the device.

2 - What's in the box

- 1) EnergyCam, wired type (Art. Nr. 1003)
- 2) RS 485 Communication Interface (Art. Nr. 1064)
- 3) 3M VHB surface cleaning kit
- 4) 3M adhesive pad
- 5) Quick Start Guide (this document)



3 - Installation

On the back of this page you'll find instructions on how to configure and install your EnergyCam.

4 – Safety Information




The Communication Interface is a class III device for the FAST EnergyCam. It must be supplied by an external power supply unit or an USB power supply.

In both cases a limited power source must be used.

The Installation of the device must be according to IEC 60950-1.

An appropriate disconnect device shall be provided external to the equipment.

Supply voltage: 4.74-24V  , Limited Power Source

Operating condition: -10°C to +50°C



Electrical and electronic devices may not be disposed of with household waste.

These devices must be returned to designated collection facilities appointed by the government or by the local authorities.



The CE mark is a free trade mark. It does not guarantee any product features.

5 - Technical support

If you have any problems or questions, please contact us directly:

You can reach us from Monday to Friday between 0900 and 1700 CET

Tel: +49 (0)89-540-40-100

www.fastforward.ag/eng/support

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1. Preparation

A) Install ECWin software

Download the latest build (ECWin Build #) from our website: <http://www.fastforward.ag/eng/download>

B) Documentation review

Review the installed documentation which explains how to install and use your EnergyCam. The manual can be opened by pressing the help button in ECWin. For details of the integration of EnergyCam to your RS 485 network, refer to the document 'Overview Communication Interfaces' on our website.

2. Configuration

This step is only required if you want to change the EnergyCam configuration. The device is preconfigured with the following defaults:

M-Bus (Type: Electricity)

OCR Configuration (Read Decimal: enabled, Reading Timer: 15 Minutes, Font: White on Black)

OCR Installation (Smart Installation: enabled)

Serial (Modbus, 115200 Baud, 8E1, Slave address: 1)

Advanced (Auto install after EnergyCam boot: enabled)

A) Unpack and connect EnergyCam to your PC

using the FAST USB Communication Interface (Art. Nr. 1063) and a Micro-USB data cable (not included). Maybe wait for the automatic installation of the device driver software.

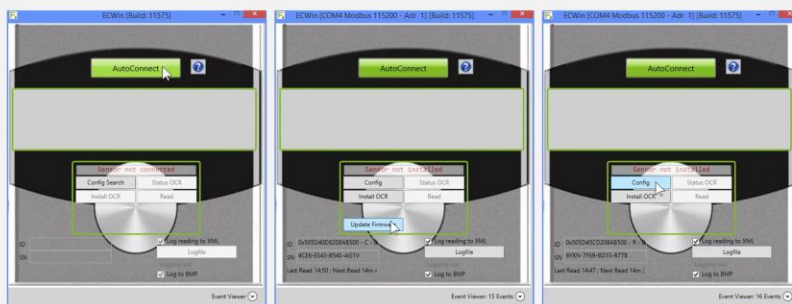


A)

B) Start ECWin application and press AutoConnect button

The Software automatically searches for connected EnergyCam devices. If the ECWin application is not able to connect – please check:

Device Manager → Ports (COM & LPT) → USB Serial Port (COM ?) must be present. If not, see chapter 3.a) of the manual and follow the driver install instructions.



B)

C)

D)

C) Update the firmware of the device if necessary

If the firmware of EnergyCam is not up to date, update it now by pressing the designated button.

D) Open the device configuration dialog

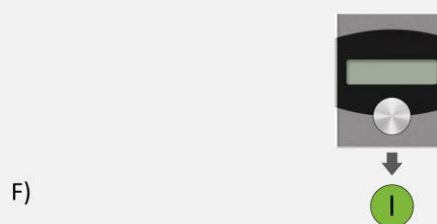
by pressing the *Config* button.

E) Configure your EnergyCam

Adjust the settings to fit your requirements. Confirm changes with *OK!* (Further information in chapter 3.d) of the manual)

F) Disconnect EnergyCam from your PC

Unplug the FAST USB Communication Interface.



F)

3. Add EnergyCam to your network / setup

A) Integrate EnergyCam into your setup

Plug the FAST RS 485 Communication Interface (Art. Nr. 1064) into the device. Now integrate EnergyCam into your RS 485 network! For details of the integration of EnergyCam to your RS 485 network, refer to the document 'Overview Communication Interfaces' at the download area of our website.



B) Install EnergyCam on meter

Press the button until "– 3 –" is shown on LCD to trigger installation. Position the device on the meter. LED arrows help you to locate the exact position for meter readout. Note that an upside down installation may be necessary. For further information, read chapter 2.d) of the manual.



move up

move to the right

ok