

FAST EnergyCam 2.0 RS 485

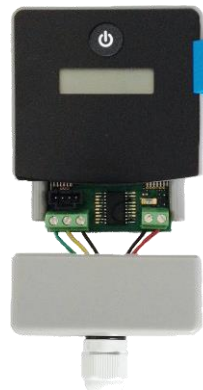
Quick Start Guide

1 – How it works

EnergyCam RS 485 reads mechanical gas 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 2.0, wired type (Art. Nr. 1203)
- 2) EC2 RS 485 Interface (Art. Nr. 1264)
- 3) 3M VHB surface cleaning kit
- 4) 3M adhesive pad
- 5) Quick Start Guide (this document)



3 - Installation

Connections: Line A (+)
Line B (-)
GND

GND
4.75-24V



To preserve the protection class of the device, an appropriate installation of the cable through the cable lead-through is necessary.

The cable should put no mechanical load on the device. An appropriate strain relief must be used.

You'll find further information how to configure and install your EnergyCam 2.0 on the back of this page.

4 – Safety Information



The EC2 RS 485 Interface is a class III device for FAST EnergyCam 2.0.

It must be supplied by an external power supply. For this purpose 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: 4.75-24V , 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

FAST FORWARD AG Ruedesheimer Strasse 11, D-80686 Munich

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 EnergyCam 2.0. The manual can be opened by pressing the help button in ECWin.

2. Configuration

This step is only required if you want to change the EnergyCam 2.0 RF configuration. The device is preconfigured with the following defaults:

M-Bus (Type: Gas)

wireless M-Bus (wireless M-Bus: disabled)

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

OCR Installation (Smart Installation: enabled)

Advanced (Auto install after EnergyCam boot: enabled)

Serial (Protocoll: Modbus, Baud: 115200, Parity: Even, Stopbits: 1, Slave Address: 1)

A) Connect EnergyCam 2.0 to your PC

Unscrew the cap and plug the cable of the FAST EC2 USB Interface (Art. Nr. 1263) into the socket on the board. Use a Micro-USB data cable (not included) to connect the FAST EC2 USB Interface to your PC. If necessary, wait for the automatic installation of the device driver software.



B) Start ECWin application and press *AutoConnect* button

The Software automatically searches for connected EnergyCam 2.0 devices. If the ECWin application is not able to connect – 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.



C) Update the firmware of the device if necessary

If the firmware of EnergyCam 2.0 is not up to date, update it now by pressing the designated button.

D) Open the device configuration dialog

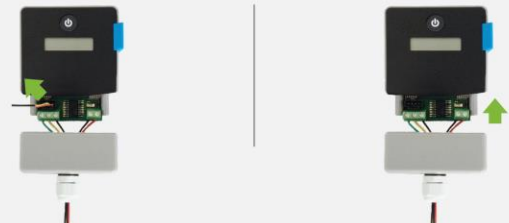
by pressing the *Config* button.

E) Configure your EnergyCam 2.0

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

F) Disconnect EnergyCam 2.0 from your PC

Unplug the cable of the FAST EC2 USB Interface (Art. Nr. 1263). To do this, press the release button on the connector and pull it carefully out of the socket on the board. Do not pull the cable! Close the cap with both screws.



3. Mounting and Installation

A) Integrate EnergyCam 2.0 into your network

Integrate EnergyCam 2.0 into your RS485 network. For details refer to the document „Overview Communication Interfaces“ at the download area of our website.

B) Mount EnergyCam 2.0 on a meter

Remove dust and dirt from your meter window. To ensure a secure mount, the surface of the window must be flat and the bulge of the meter frame must not be greater than 5mm. Remove the liner from the adhesive pad on the mounting bracket. The blue side of the mounting bracket should be positioned about 2-3mm besides the outermost digit and at half digit height. Press the mounting bracket firmly in parallel to the counter on the meter window for at least 10s. Avoid air bubbles between adhesive pad and meter window to ensure a secure grip. Note that an upside down installation may be necessary. For further information, read chapter 2.e) of the manual.

C) Perform OCR installation

Press the button and hold it until "-3-" is displayed to install EnergyCam 2.0. The last shown value on the display (green LED on) must match the actual meter value. If not, check the mounting and repeat the OCR installation.

