

# Kernel driver ibm-cffps

Supported chips:

- IBM Common Form Factor power supply

Author: Eddie James <[cajames@us.ibm.com](mailto:cajames@us.ibm.com)>

## Description

This driver supports IBM Common Form Factor (CFF) power supplies. This driver is a client to the core PMBus driver.

## Usage Notes

This driver does not auto-detect devices. You will have to instantiate the devices explicitly. Please see Documentation/i2c/instantiating-devices.rst for details.

## Sysfs entries

The following attributes are supported:

|              |   |
|--------------|---|
| curr1_alarm  | Output current over-current alarm.                    |
| curr1_input  | Measured output current in mA.                        |
| curr1_label  | "iout1"   |
| fan1_alarm   | Fan 1 warning.  |
| fan1_fault   | Fan 1 fault.  |
| fan1_input   | Fan 1 speed in RPM.                                   |
| fan2_alarm   | Fan 2 warning.  |
| fan2_fault   | Fan 2 fault.  |
| fan2_input   | Fan 2 speed in RPM.                                   |
| in1_alarm    | Input voltage under-voltage alarm.                    |
| in1_input    | Measured input voltage in mV.                         |
| in1_label    | "vin"   |
| in2_alarm    | Output voltage over-voltage alarm.                    |
| in2_input    | Measured output voltage in mV.                        |
| in2_label    | "vout1"   |
| power1_alarm | Input fault or alarm.                                 |
| power1_input | Measured input power in uW.                           |
| power1_label | "pin"   |
| temp1_alarm  | PSU inlet ambient temperature over-temperature alarm. |
| temp1_input  | Measured PSU inlet ambient temp in millidegrees C.    |
| temp2_alarm  | Secondary rectifier temp over-temperature alarm.      |
| temp2_input  | Measured secondary rectifier temp in millidegrees C.  |
| temp3_alarm  | ORing FET temperature over-temperature alarm.         |
| temp3_input  | Measured ORing FET temperature in millidegrees C.     |