Kernel driver ibmaem
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This driver talks to the IBM Systems Director Active Energy Manager, known
henceforth as AEM.

Supported systems:
  * Any recent IBM System X server with AEM support.
    This includes the x3350, x3550, x3650, x3655, x3755, x3850 M2,
    x3950 M2, and certain HC10/HS2x/LS2x/QS2x blades. The IPMI host interface
    driver ("ipmi-si") needs to be loaded for this driver to do anything.
    Prefix: 'ibmaem'
    Datasheet: Not available

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Description

This driver implements sensor reading support for the energy and power meters
available on various IBM System X hardware through the BMC. All sensor banks
will be exported as platform devices; this driver can talk to both v1 and v2
interfaces. This driver is completely separate from the older ibmpex driver.

The v1 AEM interface has a simple set of features to monitor energy use. There
is a register that displays an estimate of raw energy consumption since the
last BMC reset, and a power sensor that returns average power use over a
configurable interval.

The v2 AEM interface is a bit more sophisticated, being able to present a wider
range of energy and power use registers, the power cap as set by the AEM
software, and temperature sensors.

Special Features

The "power_cap" value displays the current system power cap, as set by the AEM
software. Setting the power cap from the host is not currently supported.