

Kernel driver xgene-hwmon

Supported chips:

- APM X-Gene SoC

Description

This driver adds hardware temperature and power reading support for APM X-Gene SoC using the mailbox communication interface. For device tree, it is the standard DT mailbox. For ACPI, it is the PCC mailbox.

The following sensors are supported

- Temperature
 - SoC on-die temperature in milli-degree C
 - Alarm when high/over temperature occurs
- Power
 - CPU power in uW
 - IO power in uW

sysfs-Interface

temp0_input

- SoC on-die temperature (milli-degree C)

temp0_critical_alarm

- An 1 would indicates on-die temperature exceeded threshold

power0_input

- CPU power in (uW)

power1_input

- IO power in (uW)