
AM35x Power Estimation Spreadsheet

ARM MPU Applications

ABSTRACT

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http://processors.wiki.ti.com/index.php/AM35x_Power_Estimation_Spreadsheet.

This article discusses the power consumption of the Texas Instruments AM3517 high-performance, industrial applications processor. Power consumption on the AM3517 device is highly application-dependent, therefore, a spreadsheet is provided to model power consumption for a user's application and to present some measured scenarios. Version 1.x of the spreadsheet supports configurability of device core modules such as the ARM® Cortex™-A8 and most peripherals. The data in the accompanying spreadsheet represents measurements and estimates for strong units, which are indicative of the expected maximums of power consumption for production units. Thus, the spreadsheet values can be used for board thermal analysis and power supply design as a maximum long-term average.

The data presented in the Version 1.x power estimation spreadsheet are based on measurements performed on AM3517 revision 1.0 silicon, as well as estimates.

The spreadsheet discussed in this wiki article can be downloaded from <http://www.ti.com/lit/zip/SPRABC7>.

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