Docket Number:	14-AAER-02
Project Title:	Computer, Computer Monitors, and Electronic Displays
TN #:	206280
Document Title:	ITI & Technet 9/29 F2F Presentation: Motherboards
Description:	Power breakdown study on ITX reference board
Filer:	System
Organization:	Chris Hankin, Information Technology Industry Council
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ITI & Technet 9/29 F2F Presentation: Motherboards

Additional submitted attachment is included below.

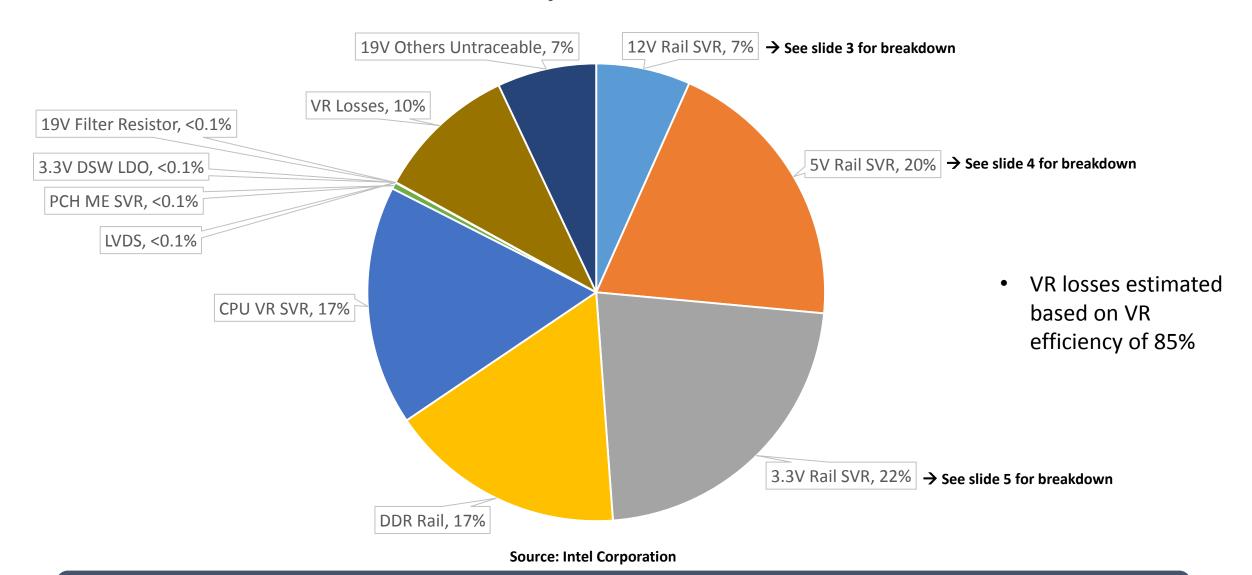
Power breakdown study on ITX reference board

Based on 4th gen Intel[®] Core[™] Desktop ITX Platform

Analysis Assumptions

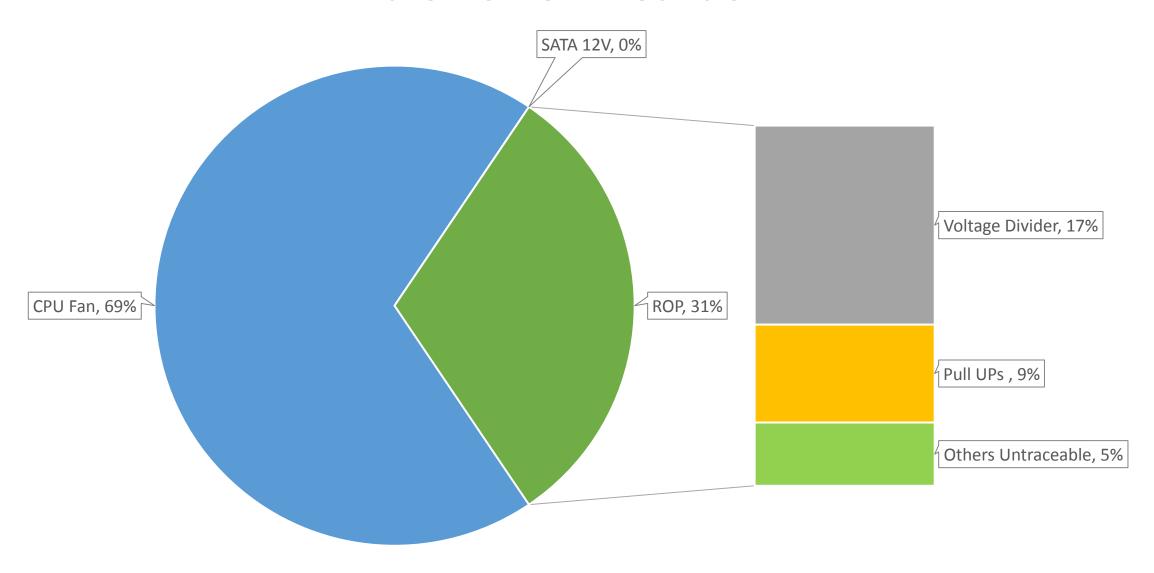
- Breakdown performed on a ITX board with a AC brick (19V) supplying power
 - ➤ Different from a mainstream desktop platform with a ATX power supply
- Testing was done in a Long Idle system state with a 2.5" SSD connected
- Note/Disclaimer: Numbers shared in this document show data on one particular form factor and design with no guarantee that numbers will translate proportionally or absolutely to other board form factors

Platform 19V Input Power Breakdown



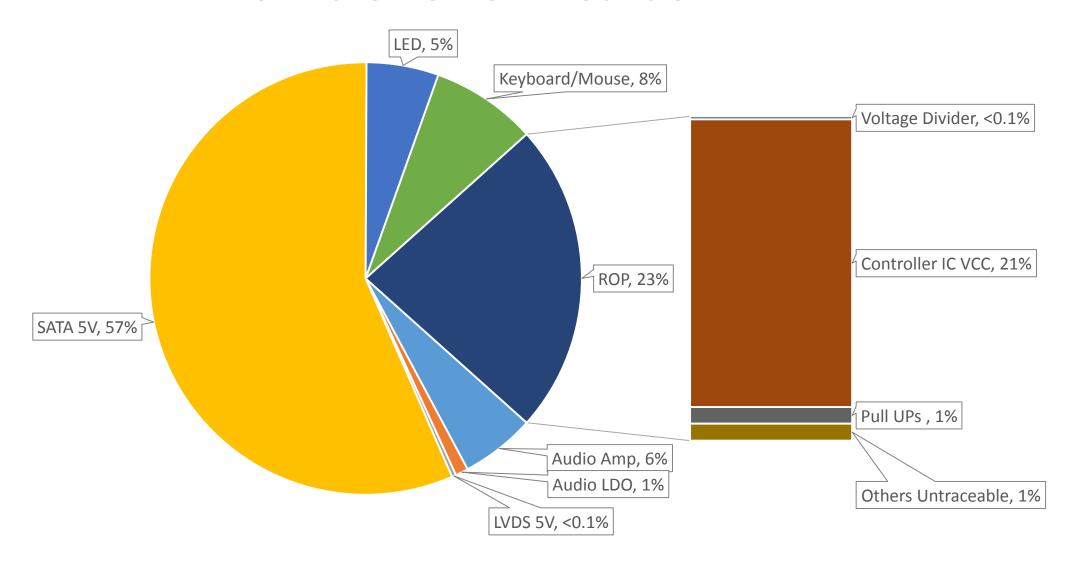
The major contributors in the platform power pareto are 5V and 3.3V power islands, CPU rails, Memory rails and 12V power island

12V Idle Power Breakdown



Source: Intel Corporation

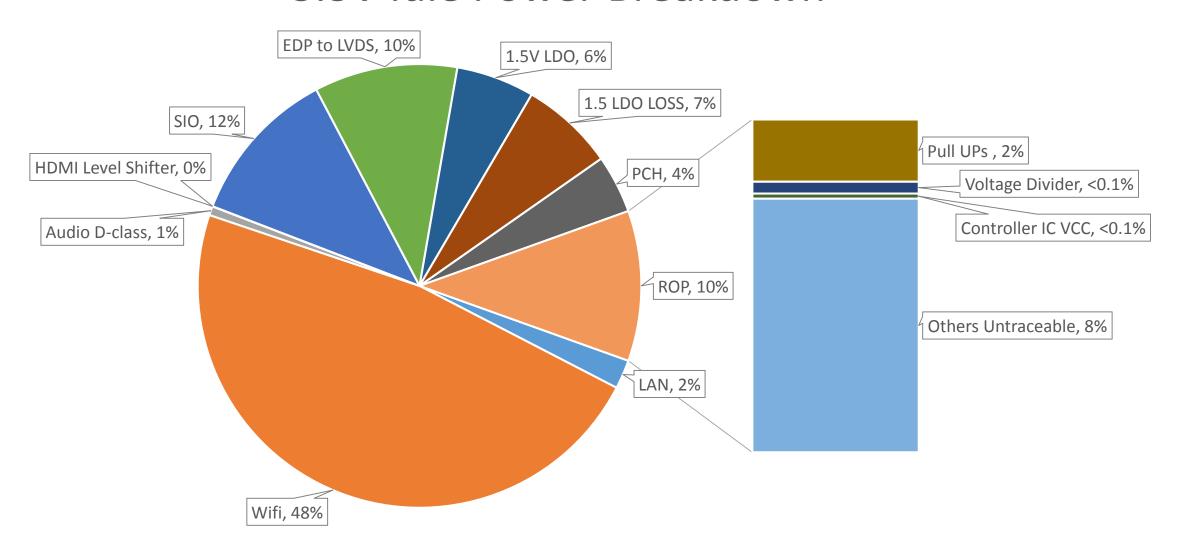
5V Idle Power Breakdown



ROP – Rest of Platform

Source: Intel Corporation

3.3V Idle Power Breakdown



Source: Intel Corporation