

Dear Verena, Christopher and Bizhan,

I just learned about the work on the 6.0 Energy Star Displays Specification. Microsemi is becoming a player in the digital signage market, by providing Power over HDBaseT solutions. Power over HDBaseT (PoH) is a technology based on Power over Ethernet (IEEE802.3at-2009), enhancing it to increase energy efficiency and to allow the delivery of up to 95W over a CAT5 cable. While PoH was defined originally to allow powering TV's (which based on the upcoming EnergyStar 6.0 standard should not consume more than 85W regardless of their size), it could clearly benefit Display Signage applications by:

- a) Allowing the deployment of Display Signage without the need to add AC outlets
- b) Creating the possibility of remotely shutting down display signage COMPLETELY through the network, which has great power savings benefits

With that in mind, I am extremely concerned that there are no changes in the power consumption requirements in Energy Star for Displays 6.0 in regards to Displays between 30" and 60" diagonal size. Given that TV's are expected to consume no more than 85W, I don't see any technological barrier in requesting similar amounts of power for Displays of this type. Limiting the power levels to values below 95W would allow enormous power savings WW, for times of the day in which the display signage is not needed.

I will be happy to talk more about it whenever you are available.

I am copying Bruce Nordman and Matt Malinowski, with whom we work on the SNE and Telephony Energy Star programs respectively.

Regards,

**Daniel Feldman 神判遊子**

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