Single-phase Energy-measurement Processors Are Energy-measurement Subsystem in a Single Chip

Maxim Integrated Products, Inc. announced that it is now sampling the 78M6610+PSU/78M6610+LMU single-phase energy-measurement processors. These processors are an energy-measurement subsystem in a single chip. They provide simple utility-grade sensing and diagnostics for existing designs without the traditional cost of a utility meter system-on-chip. Both devices contain unique firmware to meet end application requirements. The 78M6610+PSU is specifically designed for real-time monitoring of data centers, servers, and telecom and data equipment, while the 78M6610+LMU is a more general-purpose solution for applications such as white-good appliances, smart plugs, EV chargers, and solar inverters.

The 78M6610 processors enable energy-measurement functionality while reducing both manufacturing costs and time to market. Energy-measurement solutions traditionally required the use of an additional microcontroller, which adds significant design cost and months of development time. The 78M6610 allow users to conveniently add a complete energy meter to an already existing design without significant cost or redesign. Additionally, the processors' flexible measurement and host interfaces allow for easy integration into any system.

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