New Xilinx Spartan-6 FPGA USB Module Refreshes Flagship Products

Â Â Opal Kelly recently announced the XEM6010, a refresh of its flagship products XEM3010 and XEM3050.Â Based on the powerful new Xilinx Spartan-6 FPGA, with high-speed USB 2.0 interface for downloading and communication, the new XEM6010-LX45 and XEM6010-LX150 offer a significant improvement in logic, memory, and speed, without increasing costs.

The XEM6010 is ideally suited to prototyping systems and integration into OEM devices where a USB interface, flexible hardware solution, or PC software interface would be useful. The XEM6010 can easily be added to a new board design to provide turnkey USB integration with the convenience of the FrontPanel programmer's interface and existing USB drivers. Available in two versions, the XEM6010-LX45 is based on the Xilinx XC6SLX45 and the XEM6010-LX150 is based on the Xilinx XC6SLX150.Â They both include high-speed USB 2.0 FPGA configuration and data transfer, with integrated DDR2 SDRAM, power supplies, and configuration flash. In addition, they leverage Opal Kellyâ€™s powerful FrontPanel SDK and application.

Â The XEM6010-LX45 is offered at the same price as the XEM3010 (quantity 100+) and is available now from the Opal Kelly online store for $449.95 (quantity 1).Â It includes the Opal Kelly FrontPanel SDK and USB driver, XEM6010 Userâ€™s Manual, email support, as well as access to an active online User Forum.

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