

Mantaro Announces Availability of FPGA Development Platforms with 40G and 100G Ethernet Solutions

Mantaro's offering of Altera and Xilinx FPGA Development platforms provides an easy and proven path for 100G, 40G, 10G, and 1G Ethernet solutions.

Online PR News – 02-May-2011– The need for 40G and 100G Ethernet solutions is rapidly growing across various industries. Rising to the challenge and meeting needs, Mantaro is now offering a complete solution with Altera and Xilinx based [FPGA development platforms](#), FPGA IP MAC and PCS Cores, Ethernet solutions documentation tailored for each specific platform, and a free PC GUI application for lab testing.

Mantaro, the leader in technology design services and engineering, offers various [FPGA IP Cores](#), including tested and proven 100G MAC/PCS, 40G MAC/PCS, 10G, and 1G Ethernet IP Cores for both Altera and Xilinx. Initially, Mantaro is offering three development platforms: Xilinx Virtex 6 HXT x16 PCIe (HTG-V6HXT-x16PCIe), Xilinx Virtex 6 HXT 40G/100G (HTG-V6HXT-100G), and Altera Stratix IV GX/GT (HTG-S4GT-100G).

The Mantaro HTG-V6HXT-x16PCIe is optimal for next generation customizable intelligent 40Gbps server network interface card (NIC) applications. This is the only PCIe module on the market with an x16 Gen2 interface enabling designs to achieve full 40Gbps Ethernet throughput between host and network interface.

The Mantaro HTG-V6HXT-100G and HTG-S4GX/GT-100G are ideal for 40G and 100G developments. The HTG-S4GX/GT-100G module also has the option of populating two FPGAs on one board.

“We are proud to launch these new solutions for business communications,” says Jeremy Parsons CEO of Mantaro. “Being on the cutting edge of innovation and pushing the limits of product development allows us to help our clients rise to the challenge in a competitive market.”

To complement the primary development boards, Mantaro also provides two extender modules: a 40G/100G CFP Extender/Carrier Card (HTG-CPF-MDL) and a 12-port SFP+ Extender/Carrier Card (HTG-SPF-PLUS-MDL).

Mantaro has integrated a free GUI application that will allow platform users to configure the development board, easily generate traffic for a limited period of time, monitor performance across various FPGA status registers, and collect performance statistics. The purchase of a development board along with an Ethernet related FPGA IP core from Mantaro gives customers access to this free PC GUI application. More details are available in the development platform specific solutions guides available on the Mantaro website. Mantaro also offers custom design services that customers can take advantage of if and when necessary.

For more information on any of the development platforms or FPGA IP cores, please visit Mantaro's website www.mantaro.com.

About Mantaro:

A products and product development services firm founded in 2001, Mantaro develops and sells products

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for a wide scope of markets. Mantaro also provides a full range of engineering design services to its clients. The technical staff comprises highly talented, full-time professional engineers with a history of successful new product development and innovating design experience. Mantaro serves consumer, government, industrial, medical, telecommunications, test & measurement, and transportation industries, and is located in Germantown, Maryland.

Image Gallery



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