## Product Brief

## **XCKU115 FPGA Module**

profpga Speed meets Flexibilit

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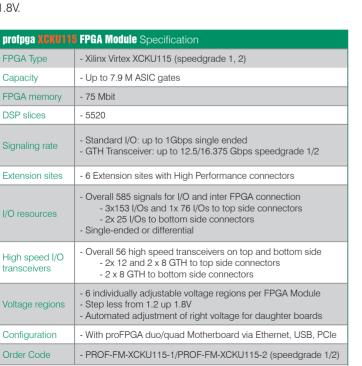
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## **Product Summary**

The proFPGA XCKU115 FPGA module is the logic core for the scalable, and modular multi FPGA proFPGA solution, which fulfills highest needs in the area of FPGA based Prototyping. It addresses customers who need a scalable and most flexible high performance ASIC Prototyping solution for early software development and real time system verification. The innovative system concept and technologies offer highest flexibility and reusability for several projects, which guarantees the best return on invest.

The proFPGA XCKU115 FPGA module, which only works in combination with a proFPGA uno, duo or quad motherboard offers with its latest Kintex<sup>®</sup> UltraScale<sup>™</sup> FPGA technology maximum capacity of up to 7.9 M ASIC gates and 5520 DSP slices alone in one FPGA. It is designed to achieve highest performance in combination with its high speed connectors. The module offers with its 6 extension sites up to 585 user I/Os for daughter boards (e.g. memory boards, interface boards), interconnecting cables or customer specific application boards.

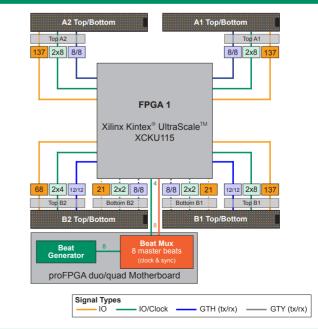
Besides the standard I/Os the module also provides 52 high speed serial transceivers (56 x GTH) running up to 16.375 Gbps for high speed interfaces like PCIe Gen4. All of the 6 extension sites offer individually and step less adjustable voltage regions from 1.2V up to 1.8V.



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www.proFPGA.com

Phone:+49 (0) 8062-808-0 FAX: +49 (0) 8062-808-404 profpga@prodesign-europe.com