Product Brief

XCVU160 FPGA Module

Speed meets Flexibil

00001110100110100010

01010000101110000011101001101000101

Product Summary

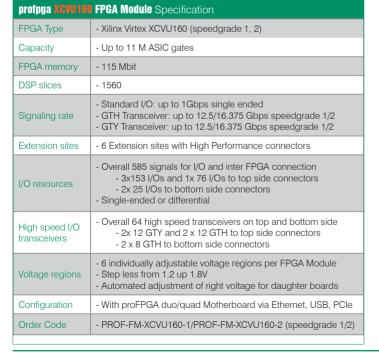
The proFPGA XCVU160 FPGA module is the logic core for the scalable, and modular multi FPGA proFPGA solution, which fulfills highest needs in the area of FPGA based Prototyping. It addresses customers who need a scalable and most flexible high performance ASIC Prototyping solution for early software development 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.

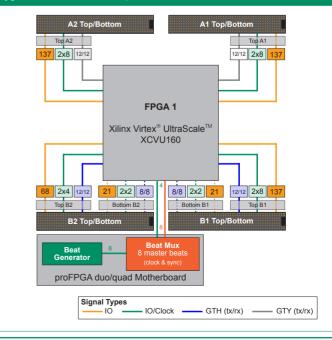
The proFPGA XCVU160 FPGA module, which only works in combination with a proFPGA uno, duo or quad motherboard offers with its latest Virtex[®] UltraScale[™] FPGA technology maximum capacity of up to 11 M ASIC gates alone in one FPGA. It is designed to achieve highest performance in combination with its 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 64 high speed serial transceivers ($24 \times GTY$ and $40 \times GTH$) 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.



profpga XCVU160 FPGA Module I/O and Clock Architecture





Copyright © 2016 PRO DESIGN Electronic GmbH. All rights reserved. The proFPGA logo is a registered trademarks of PRO DESIGN Electronic GmbH. All other names mentioned herein are trademarks or registered trademarks of their respective companies. PRO DESIGN Electronic GmbH Albert-Mayer-Str. 14 - 16 83052 Bruckmuehl, Germany Phone:+49 (0) 8062-808-0 FAX: +49 (0) 8062-808-404 profpga@prodesign-europe.com

e.com

www.proFPGA.com