

XCVU13P FPGA Module

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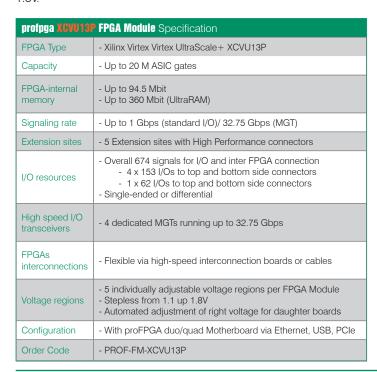
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Product Summary

The proFPGA XCVU13P 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 reuseability for several projects, which guarantees the best return on invest.

The proFPGA XCVU13P FPGA module, which only works in combination with an proFPGA duo or quad motherboard offers with its latest Virtex UltraScale+ FPGA technology maximum capacity of up to 20 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 5 extension sites up to 674 user I/Os for daughter boards (e.g. memory boards, interface boards), interconneting cables or customer specific application boards.

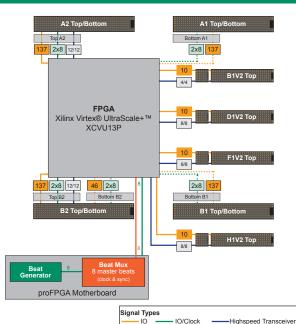
Besides the standard I/Os the module also provides 48 high speed serial transceivers (MGTs) for high speed interfaces like PCle Gen2, Gen3, USB 3.0 or DDR3 memories. All of the 5 extension sites offer individually and stepless adjustable voltage regions from 1.1V up to 1.8V.







profpga XCVU13P FPGA Module I/O and Clock Architecture



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