

Powering Intel® MAX® 10 FPGAs

with Intel Enpirion® Power Solutions



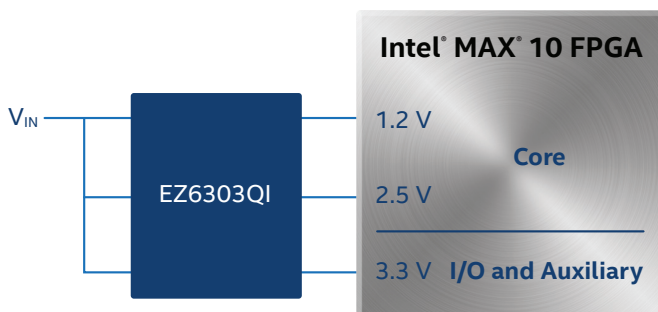
Save Board Space and Simplify Your Design with Intel Enpirion Power Solutions + Intel MAX 10 FPGAs

Intel® Enpirion® Power Solutions integrate nearly all the components needed for a power supply, and Intel MAX® 10 FPGAs integrate programmable logic, flash memory, and an A/D converter. Together, this integration enables you to:

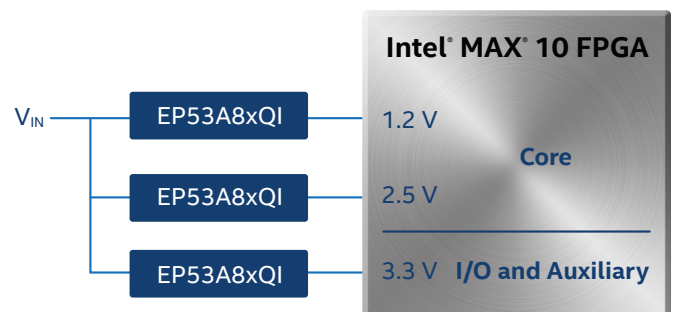
- Eliminate external inductors and minimize large and expensive bulk capacitance
- Simplify design cycle with easy-to-use, integrated PowerSoC modules
- Reduce system cost with the complete Intel solution

Power Trees Example for Intel MAX 10 FPGAs with Intel Enpirion Power Solutions

Power Intel MAX 10 FPGAs with Multi-Output PowerSoC



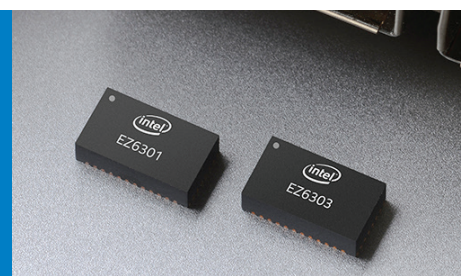
Intel MAX 10 FPGA Development Kit Power Tree



Product Highlight

Simplify Your Design with the Multi-Output EZ630x Device

- Save space with reduced component count
- Increase system-level reliability
- Reduce cost



Recommended Intel Enpirion Power Solutions for Intel MAX 10 FPGAs

POWER RAIL CURRENT REQUIREMENT	RECOMMENDED POWER SOLUTIONS
≤0.4 A	EP5348UI
≤0.6 A	EP5358xUI
≤0.8 A	EP5388QI
≤1.0 A	EP53A8xQI, EN6310QI
≤1.5 A	EP53F8QI, EN5319QI, EZ6301QI
≤2.0 A	EN5329QI
≤3.0 A	EN5339QI, EN6337QI, EN6338QI, EZ6303QI
≤4.0 A	EN6340QI, EN6347QI
≤6.0 A	EN6362QI, EN6363QI

Related Links

- Intel Enpirion Power Solutions
www.intel.com/enpirion
- Intel MAX 10 FPGAs
www.intel.com/max10
- Powering FPGAs with Intel Enpirion Power Solutions
www.intel.com/content/www/us/en/programmable/products/power/resource-center.html



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[†]Tests measure performance of components on a particular test, in specific systems. Differences in hardware, software, or configuration will affect actual performance. Consult other sources of information to evaluate performance as you consider your purchase. For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.