Intel® PSG Strategic Priorities
Delivering Programmable Innovation

Industry-Leading Supply Chain

Product Leadership

Best-in-Class Developer Experience
Industry-Leading Supply Chain and Manufacturing
Enables Intel to have more flexibility and control

Choose the best manufacturing approach for supply, performance and cost
Build a complete FPGA experience
Reliably deliver the products that our customers need

Intel’s manufacturing excellence enables supply resilience, product leadership supported with long lifecycles

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- Intel® Arria® 10 Intel® & Cyclone® 10 GX
- Intel® 10 nm SuperFin F-Series & I-Series
- Intel® 7 Series (Intel® Agilex™ M-Series & roadmap products)
- Intel xx

28nm and older

20 nm

Intel 14 nm AX, DX, GX, MX, NX, SX, TX variants

Next Gen Intel Agilex FPGAs

Next Gen Roadmap Products
Extending Intel Agilex FPGA performance to midrange FPGA applications

New Intel Agilex FPGAs (code named Sundance Mesa)

Power-efficient performance for edge, embedded, and more

Intel Agilex FPGAs with CXL and PCIe 5.0

Bandwidth for the most demanding processor workloads

Intel Direct RF Portfolio

Order of magnitude improvements in size, weight, and power for analog or RF applications

Note: See backup for workloads and configurations. Results may vary.
Users of the first Intel Direct RF FPGA attest: “Previously unattainable” capabilities are now “enabled entirely”

“This technology allows us to integrate our latest generation electronic warfare systems into smaller airborne platforms and air launched effects that were previously unattainable due to size constraints of the air vehicle. As a result, we’ve created the Ultra Small Affordable Electronic Warfare (USAEW) sensor that provides the 21st century warfighter advanced capabilities while substantially reducing the systems’ size, weight, power, and cost by an order of magnitude.”

“Intel’s analog FPGA technology is paving the way for new, critically-needed wideband digital phased array solutions. The MITRE Corporation is excited to demonstrate Intel analog FPGAs with our Frequency-scaled Ultra-wide Spectrum Element (FUSE) technology, which will enable higher performance of multifunction missions through enabling new capabilities, reducing size / weight / power / latency.”

“‘We have enjoyed collaborating with Intel on this new technology, which enables highly-integrated microsystems for size-, weight-, and power-constrained electronic systems. We are combining commercial-analog FPGAs and defense-augmented application-specific circuits into a single, highly-integrated solution providing at least twice the performance while enabling entirely new mission capabilities for our defense customers.’”

“Dr. Karen H. Vianai Strategic Partnerships and Deputy Director, Technology Transfer

James Li, Director of Electronic Systems Microelectronics

Deon Viergutz, Vice President Spectrum Convergence

‘BAE SYSTEMS’

‘MITRE/FUSE’

‘LOCKHEED MARTIN’
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- Performance varies by use, configuration and other factors. Learn more on the Performance Index site.
- Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure.
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