::NEW PRODUCT

Nallatech FPGAMICCONODE Arria-10 SoC Enabled

The Nallatech FPGA MicroNode is a low power miniature Linux Edge-computer featuring an Intel Arria-10 SoC FPGA. This innovative integrated product features dual network I/O directly coupled to the FPGA fabric enabling ultra-low latency applications. Best-in-class out-of-box experience makes it faster than ever to start deploying your solution.

- Intel Arria® 10 SX660 FPGA
- Dual-core ARM ® Cortex ®
- 2 QSFP+ ports capable of supporting Ethernet, Fibre Channel and CPRI
- 4 GByte DDR4 for FPGA fabric
- 2 GByte DDR4 for ARM processor system
- NVMe SSD mass storage
- System Manager Monitoring via 1GbE



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ARRIA 10

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A Nallatech

Designed to address a range of compute-intensive and latency-critical applications, including:

- Machine Learning Inference
- Internet of Things
- Intelligent Storage Gateway
- Real-time Network Analytics



Standalone FPGA-Accelerated Edge Computer

Programming Models



OpenCL

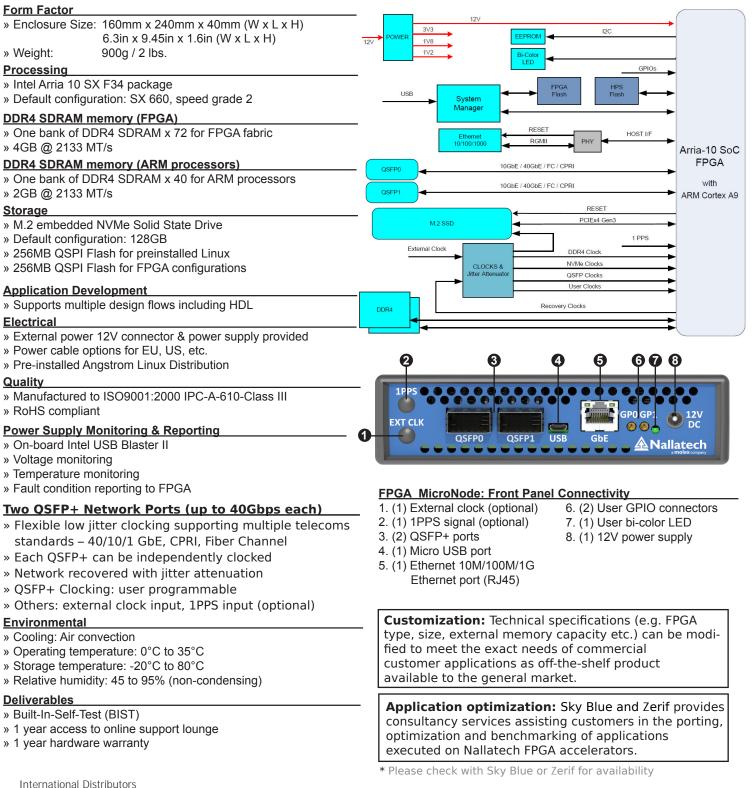
» Intel FPGA OpenCL Software Development Kit (SDK)

- Abstraction enables faster and higher level software development flow
- Emulate OpenCL application code in seconds
- Push button flow generates FPGA executable, driver and API
 Add optimized HDL IP cores to OpenCL designs as libraries



- » Hardware Description Language (HDL)
 - Traditional VHDL/Verilog tool flow support
 - Aimed at hardware-orientated customers
 - Hand-code HDL for ultimate performance
 - FPGA card designed to support standard Intel IP cores for Arria 10

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