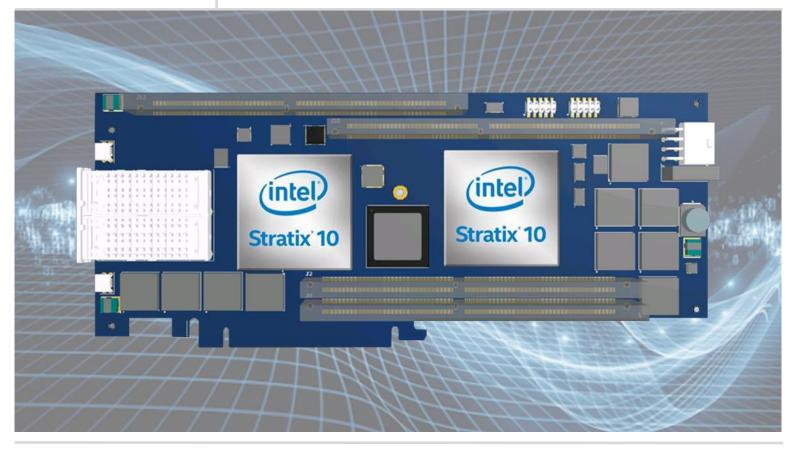


XhpcN-DS10

eXtreme High Performance Compute Node - Dual Stratix



Product Capabilities

From Data Ingestion to Model & Simulation, from Radar Processing to Computational Finance, and from Cyber Security to Edge Analytics, the Dual Stratix 10 eXtreme High Performance Compute Node (XhpcN-DS10) is the most versatile and highest performing FPGA Accelerator card about to hit the market!

The XhpcN-DS10 is designed to take on today's data-intensive computing problems by incorporating two of Intel's revolutionary Stratix 10 FPGAs, massive amounts of DDR4 and plenty of high speed I/O. With the OpenCL support included in the Board Support Package (BSP), the XhpcN-DS10 can now be easily programmed without the need to dive down into complicated Verilog or VHDL code.

Features

- Dual Intel Stratix 10 FPGAs
- Up to 520 GB DDR4 (260 GB per FPGA)
- QSFP + 40/100GbE
- PEX PCIe x16 Gen 3
- Altera MaxV CPLD
- Freescale K61 Microcontroller
- GPU-sized PCIe Form Factor









Contact Us (719) 388-8582 sales@coloradoengineering.com www.ColoradoEngineering.com





Specifications

Stratix 10 FPGA

• GX28OUF50

1160 User I/O

2.8M Logic Elements

• 11,520 18x19 Multipliers

• 50 GB/s FPGA-to-FPGA

• 4x RDIMM - 512 GB Max

• High Speed Cable Connector

Power/Monitor/Protect/Config

1024 Mb Boot Flash per FPGA

Freescale K61 mController

Altera Max V CPLD

Test & Measurement

Applications Communications Computing

 Military Broadcast Medical

• 96 XCVR

DDR4 RAM

4 GB Discrete

• 2400 MT/s

• 19.2 GB/s

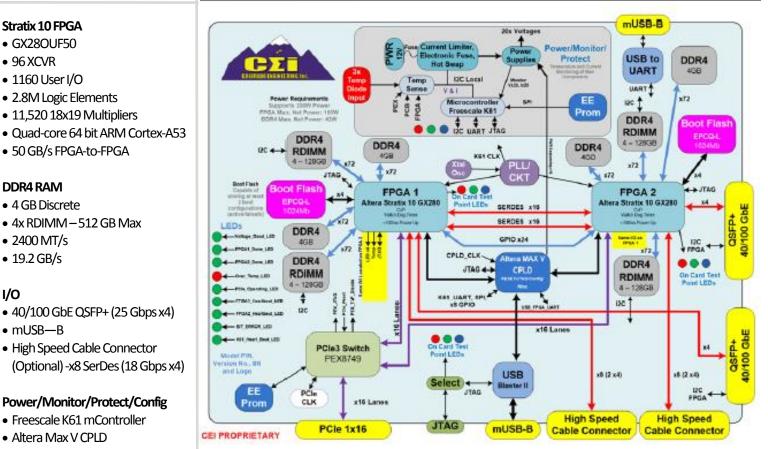
• mUSB-B

1/0

XhpcN-DS10

Configurations

A,		
	Model Number	Configuration
	XhpcN-DS10	Dual Stratix 10
	XhpcN-S10	Single Stratix 10



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