Hewlett Packard Enterprise

INTEL STRATIX 10 SX FPGA ACCELERATOR (R0X82A)

Server Accelerators

WHAT'S NEW

- Intel FPGA Programmable Acceleration Card D5005 offers high performance and throughput with workload-specific acceleration.

OVERVIEW

Does your data center need to increase productivity, optimize Total Cost of Ownership (TCO), and improve ROI?
Intel® Field Programmable Gate Array (FPGA) accelerators can help facilitate many of the core data center workloads that process the growing volume of data that our hyperconnected world creates. They can be reprogrammed in a fraction of a second with a data path that exactly matches your workloads such as data analytics and financial algorithm testing. This versatility results in a higher performing, more power efficient, and well-utilized data center – lowering your total cost of

ownership (TCO). Intel's FPGAs provide flexibility and can connect directly to processors, memories, networks, and numerous other interfaces. Traditionally, FPGAs require deep domain expertise to program, but the Intel Acceleration Stack simplifies the development flow, and enables rapid deployment across the data center.

FEATURES

Increase Productivity

Intel FPGA accelerators provide faster time to solution with their ability to accelerate specific workloads, such as database queries, Big Data analytics, and financial services industry (FSI) back-testing simulations.

Eliminate in-house application development and maintenance with the availability of third party solutions, allowing users to focus on problem solving and innovation instead of programming.

Improve ROI

Intel FPGA accelerators extends the service life of existing servers by increasing their performance and their ability to handle new workloads over longer periods of time.

Intel FPGA PAC cards can switch between programs in real time, allowing acceleration of many different workloads with one card.

Optimize TCO

Intel FPGAs provides workload acceleration while offering excellent power efficiency.

Intel FPGA lowers CAPEX spending for upgrades since they are reprogrammable and can be easily upgraded with new algorithms for enhanced performance, to comply with new standards, or to offer new functionality.

Technical specifications   Intel Stratix 10 SX FPGA Accelerator

Product Number (SKU)	R0X82A
Number of accelerators per card	1
Memory size per board	4x 8GB 72b DIMM DDR4
Memory bandwidth for board	77 GB/sec
Architecture features	Form Factor: full height, 3/4 length Width: double-slot PCIe: Gen3 x16 electrical Networking Interface: Two quad small form factor pluggable+ with 100GbE each support Memory: 4x 8 GB DDR4 with Error Correction Code Power: 189W TDP; 215W Peak Power Thermal: Passive heat sink
System	Supported on HPE ProLiant DL380 Gen10 and HPE EdgeLine EL8000
Minimum dimensions (H x W x D)	12.64 x 26.73 x 3.61 cm
Weight	1 kg

HPE POINTNEXT SERVICES

HPE Pointnext Services leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

HPE GREENLAKE

HPE Greenlake is an as-a-service offering that delivers on-demand capacity and planning, combining the agility and economics of public cloud with the security and performance of on-premises IT.

Make the right purchase decision.
Contact our presales specialists.

Chat online

Chat now (sales)

Call now

Share now

Get updates

Hewlett Packard
Enterprise