FUNGIBLE GPU-CONNECT™
Unleash All the Computing Potential Of Your GPU Accelerators

BENEFITS

Maximize utilization: Increase GPU utilization to 80-90%

Power up performance: Get up to 8 GPUs working together for the fastest results

Chop distance constraints: Overcome the distance limitations of PCIe cables with PCIe-speed access

Accelerate onboarding new clients: Provision new clients onto GPUs in minutes

Assign GPUs to suit task requirements: Customize workloads based on computational needs

Streamline operations: Automated via API and integrate into existing tools and workflows

Achieve GPU efficiency at data center scale: Give your entire data center dynamic access to a central GPU pool

Industry standard compliance: Smooth deployment in existing data centers with no downtime

OVERVIEW

Fungible GPU-Connect™ solves one of the most serious data center challenges caused by the growing demand for AI/ML and Edge computing - stranded and underutilized GPUs. For the first time, using a GPU enabled composable infrastructure, you can be free of traditional GPU architecture constraints.

FGC allows data centers to centralize existing GPU assets into a single resource pool to be attached to servers on demand. Instead of GPUs sitting idle most of the time in dedicated GPU servers, data center operators can provide new users with access to the GPU pool, making greater use of existing assets. This process can also be fully automated to fit into existing or new workflows by leveraging the API. This disaggregated solution also removes the constraints of having GPUs and CPUs physically co-located in the same server. They can be located anywhere within the same data center, eliminating the stranding of expensive GPU resources.

The Fungible DPU creates a secure, virtual PCIe connection between the GPU and the server that is transparent to the server and applications - no special software or drivers are needed. This connection happens over the existing IP Ethernet network, and is managed in hardware by the DPU, ensuring a high-performance and low latency connection. This transparency means FGC can be easily retrofitted into existing environments, and can scale with growing demand, ensuring GPUs are always available when they are needed.

What You Get

Fungible GPU-Connect components are FC200 cards powered by the Fungible DPU™, FX-108 expansion shelves to hold your GPUs, and the Fungible Composer software.

1. Any standard server fitted with an FC200 card can be connected over an Ethernet network to the remote GPUs in the FX-108 shelves.
2. Each FX-108 shelf can pack up to 8 full height, full length GPUs and connect them to a network at 8x100GE. Supports both actively and passively cooled GPUs.
3. Use Composer to manually assign users to specific GPUs within the pool or through an API.

FUNGIBLE

Implementation

Installing Fungible GPU-Connect is simple, fast, easy, and can be done during regular data center maintenance operations. It takes just minutes to move your existing GPUs to the FX-108 so you can make the transition whenever you perform your standard power down/up maintenance. Alternatively, you can start fresh by adding new GPUs to the FX-108 shelving unit as you acquire them and gradually move your data center to a centralized GPU pool. Provisioning servers to become GPU-enabled is as simple as inserting the FC200 PCIe card.

Summary

Fungible GPU-Connect solves one of the most serious data center challenges caused by the growing demand for AI/ML and Edge computing - stranded and underutilized GPUs. For the first time, using a GPU enabled composable infrastucture, you can be free of traditional GPU architecture constraints.

To learn more about the new Fungible GPU-Connect and how you can get more value and performance from your GPU resources, contact sales@fungible.com.

ABOUT FUNGIBLE

Fungible aims to effectively cloudify all of the world's data centers by utilizing the Fungible DPU™ to connect CPUs, GPUs and all-flash arrays via Ethernet.

CONTACT US

sales@fungible.com

FUNGIBLE, INC.

3201 Scott Blvd., Santa Clara, CA 95054, USA
669-292-5522

www.fungible.com