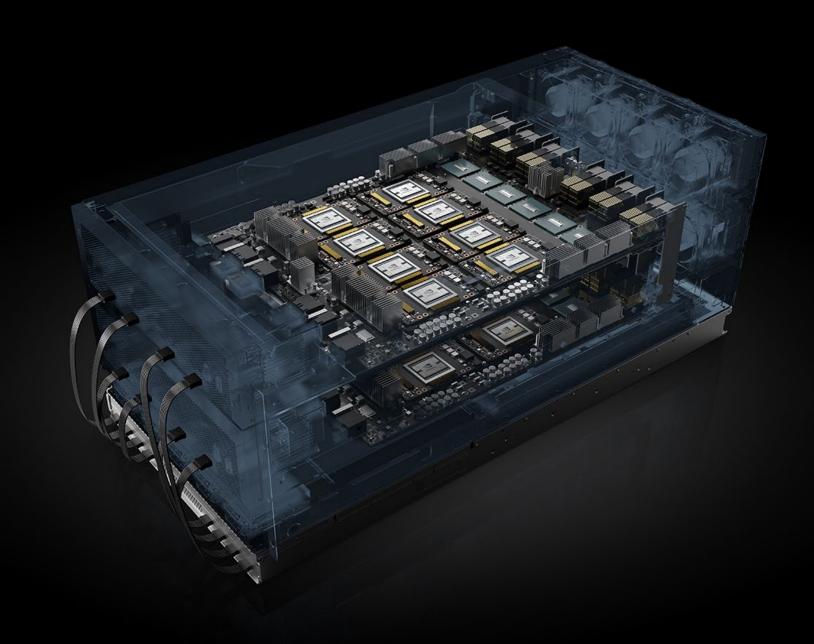
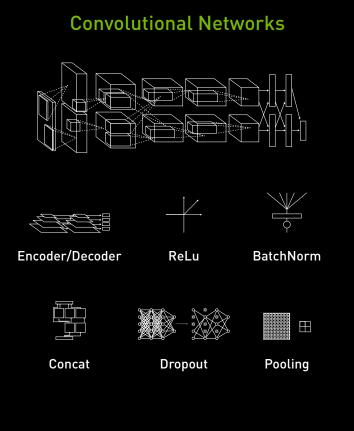
## **NVIDIA HGX-2** FUSING HPC AND AI COMPUTING INTO A UNIFIED ARCHITECTURE

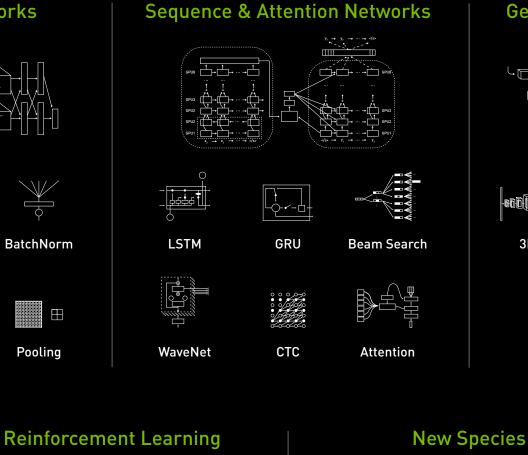


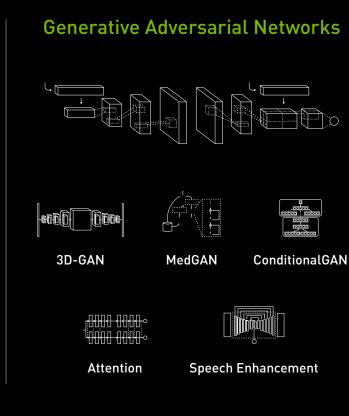


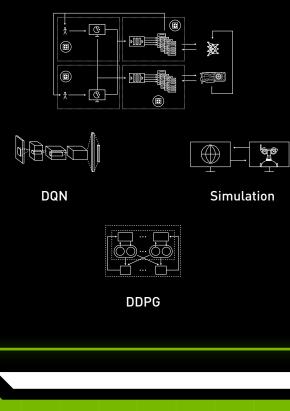
## Al models are becoming increasingly complex and diverse, from translating

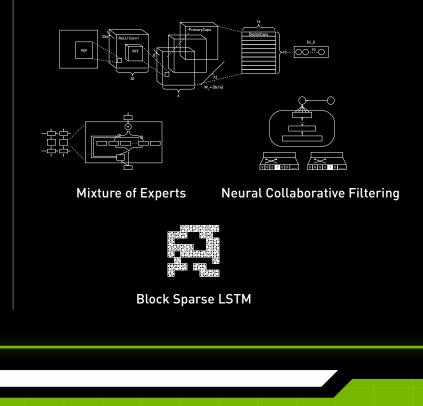
languages to autonomous driving. Solving these models requires massive compute capability, large memory, and extremely fast connections between the GPUs.







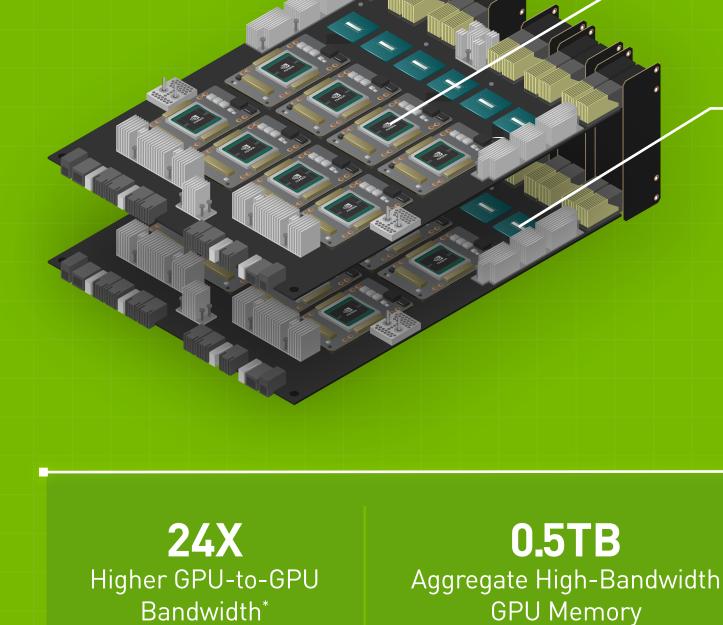




### HGX-2 multi-precision computing platform allows high-precision calculations using FP64 and FP32 for scientific computing and simulations, while also

REDEFINING THE FUTURE OF COMPUTING

enabling FP16 and Int8 for AI training and inference. This unprecedented versatility provides unique flexibility to support the future of computing.



**NVIDIA NVSwitches** 

Direct GPU-to-GPU Connection

Between All 16 GPUs

NVIDIA® Tesla® V100 GPUs

0.5TB Memory

2 PFLOPS

**Total Compute** 



RECORD PERFORMANCE

The HGX-2 platform is powered by NVIDIA NVSwitch™ which enables

every GPU to communicate with every other GPU at full bandwidth of

2.4TB/sec to solve the largest of AI and HPC problems.

**Dual-Socket** 

CPU

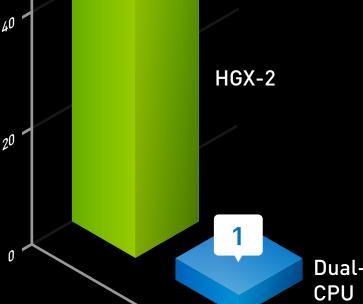
HGX-2

Al Training

**HGX-2 Replaces** 

300 CPU-Only Server Nodes

300x



**HPC** 

**HGX-2 Replaces** 

60 CPU-Only Server Nodes

60x

# 0 **Dual-Socket**

into their servers to advance the data center ecosystem.

**EMPOWERING THE DATA CENTER ECOSYSTEM** 

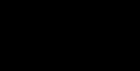
NVIDIA works with a wide range of partners to deliver the ideal AI and HPC

solution. With HGX-2, they can now integrate a state-of-the-art platform





Invented



wistron

**Lenovo**..



SEE HOW HGX-2 CAN ACCELERATE YOUR AI AND HPC WORKLOADS. www.nvidia.com/hgx

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