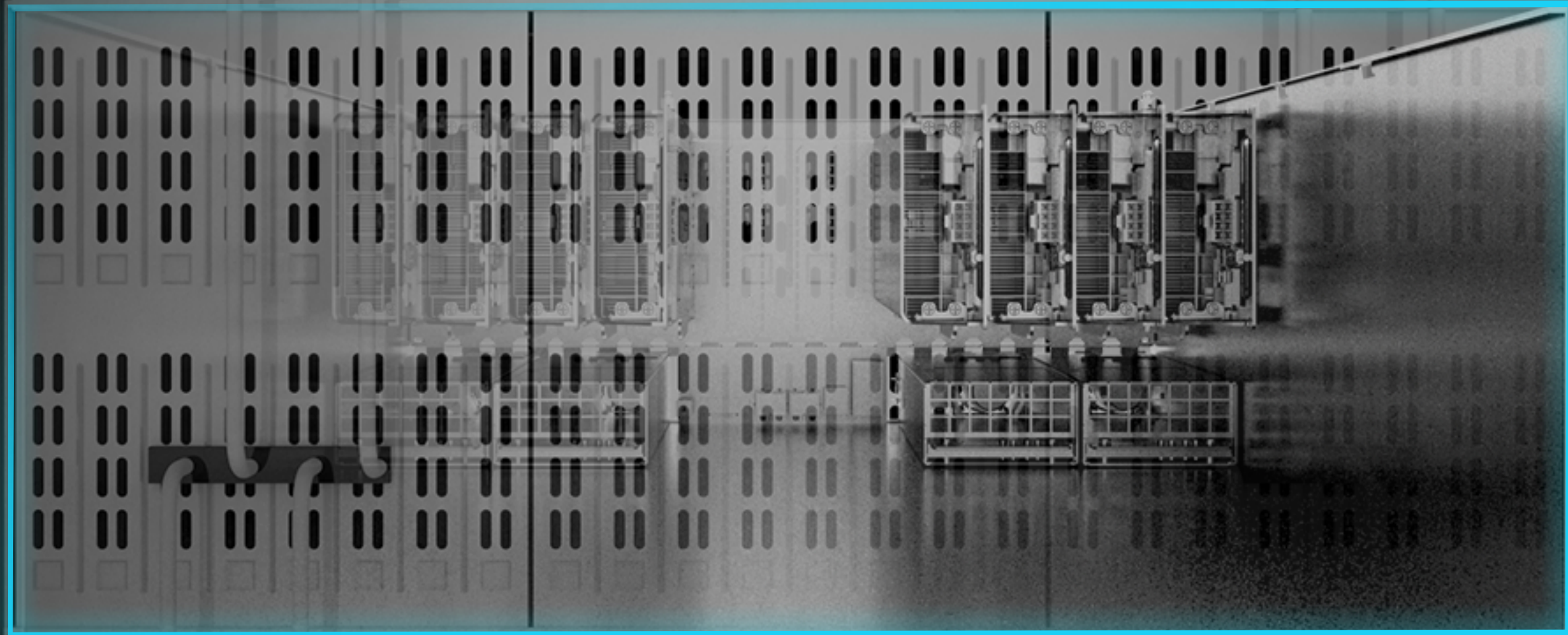


PURPOSE-BUILT TO ACCELERATE DEEP LEARNING TRAINING



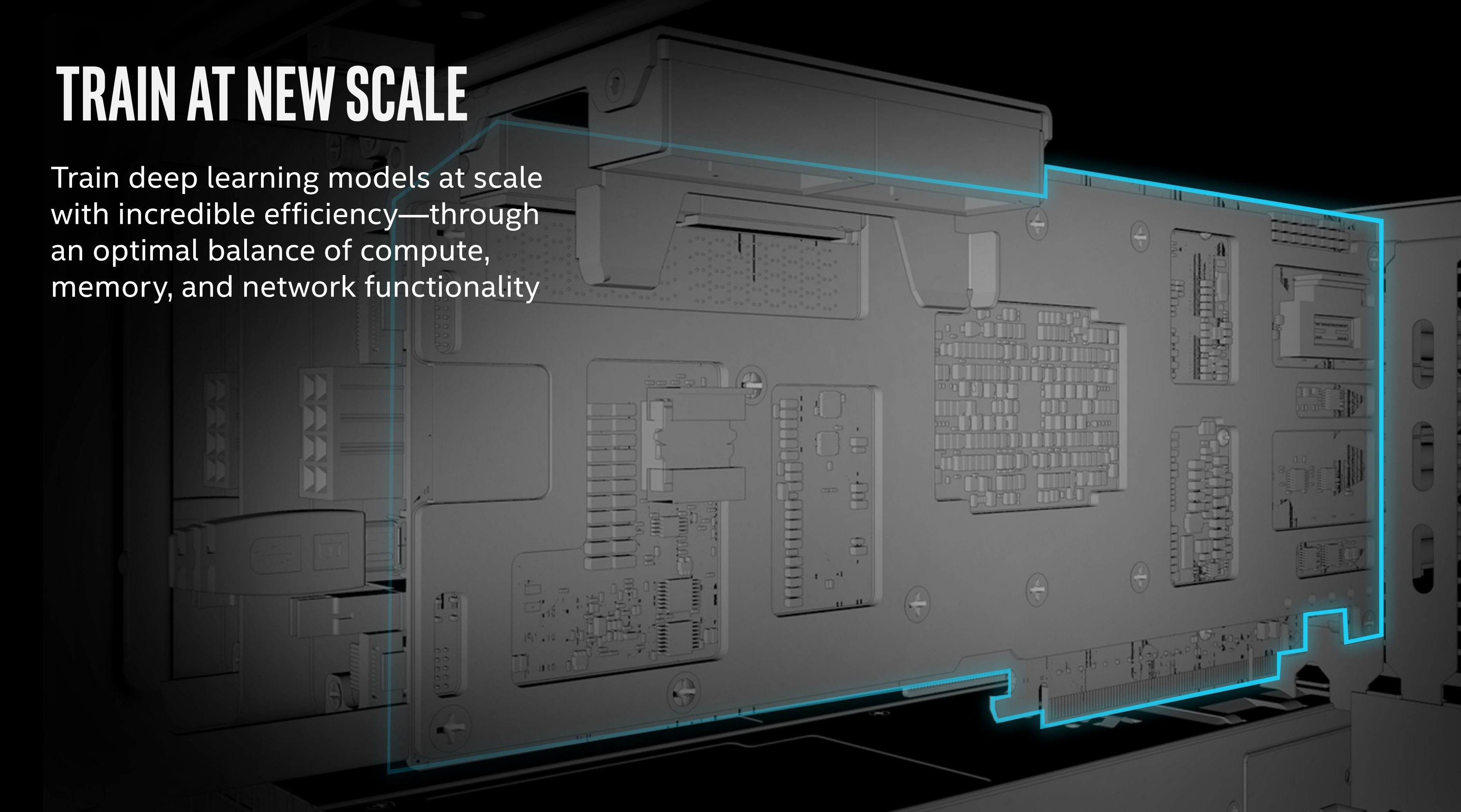
INTEL[®] NERVANA[™] NEURAL NETWORK PROCESSOR FOR TRAINING

(Intel[®] Nervana[™] NNP-T)

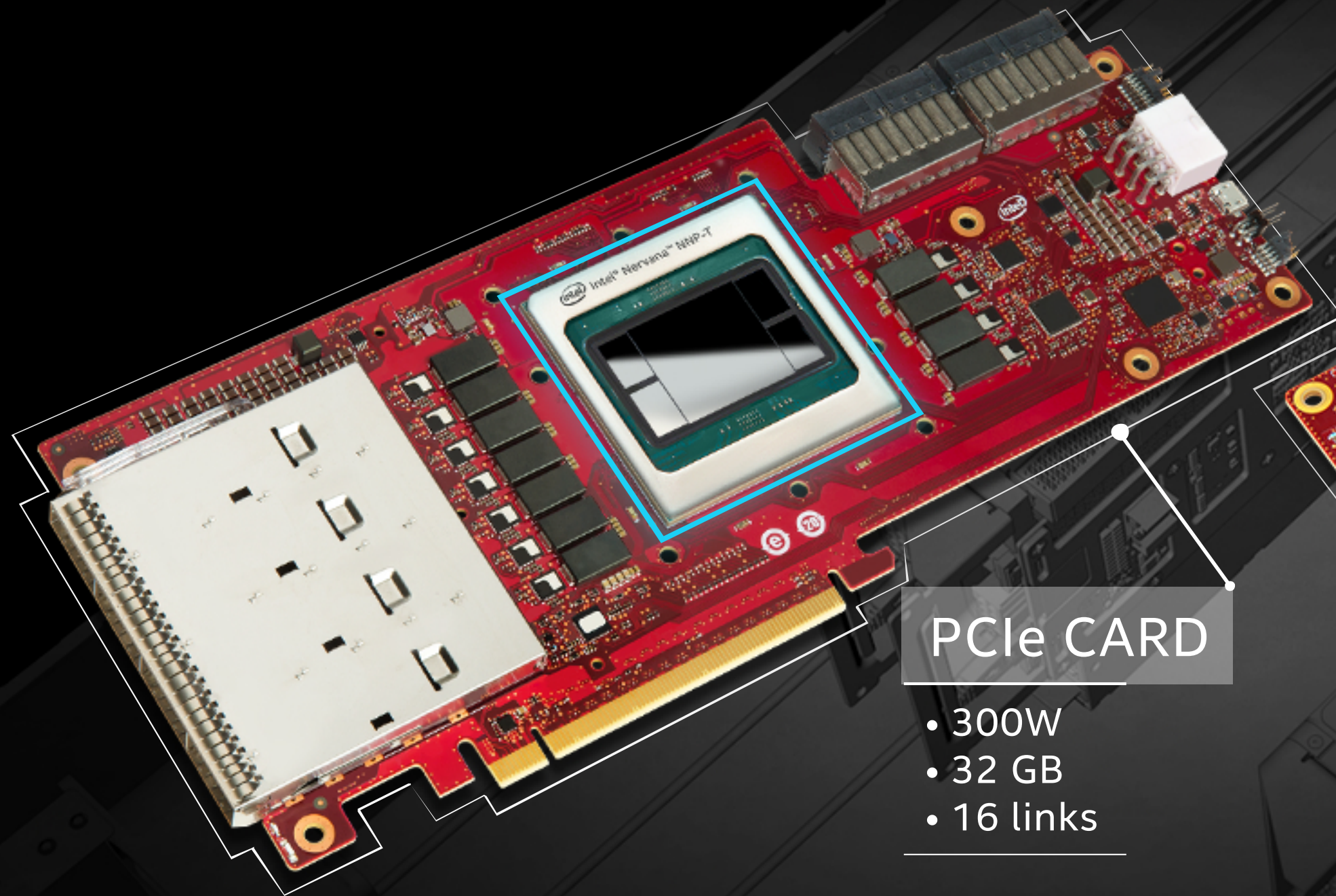


TRAIN AT NEW SCALE

Train deep learning models at scale with incredible efficiency—through an optimal balance of compute, memory, and network functionality

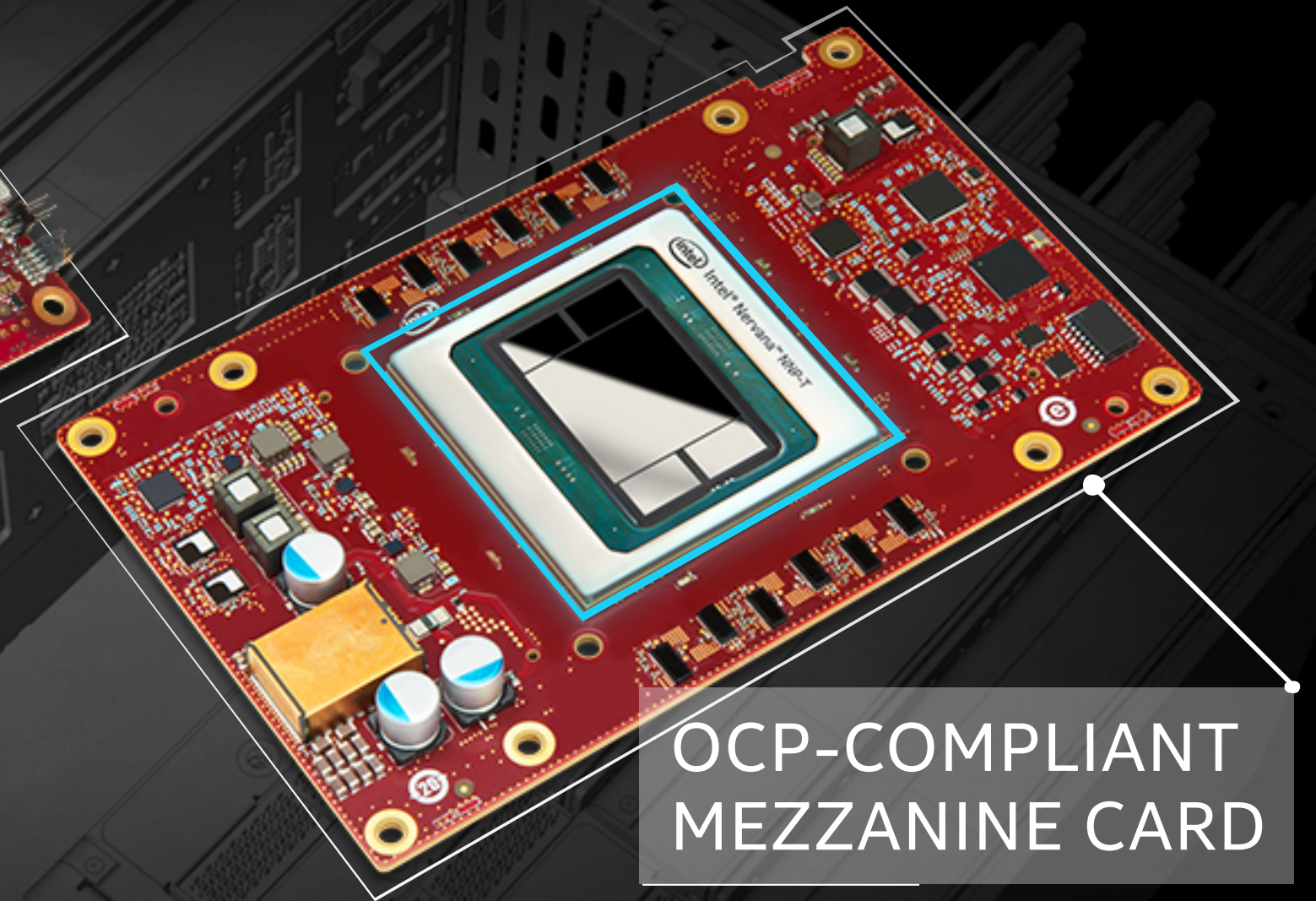


INTEL® NERVANA™ NNP T-1000



PCIe CARD

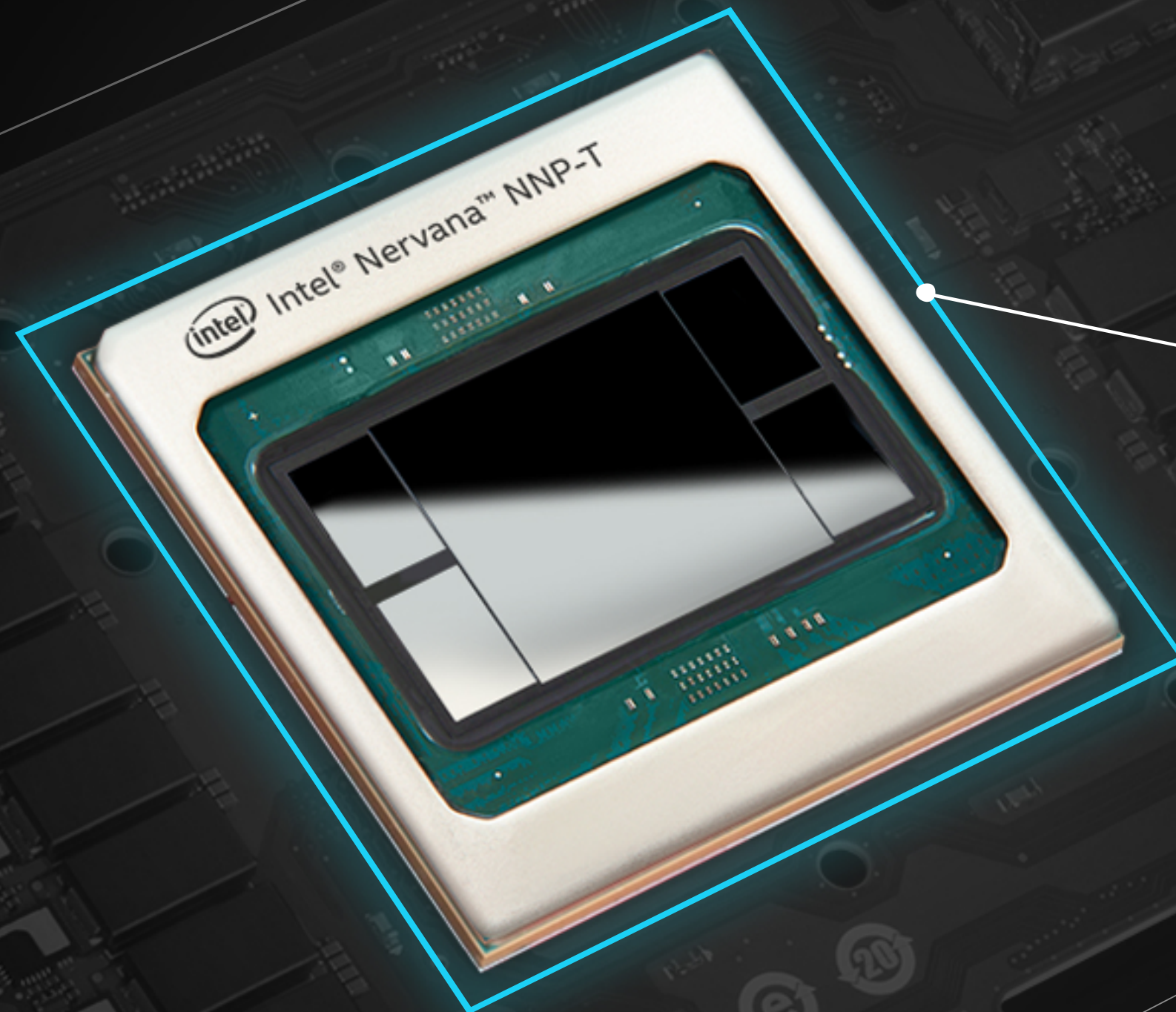
- 300W
- 32 GB
- 16 links



OCP-COMPLIANT
MEZZANINE CARD

- 375W
- 32 GB
- 16 links

INTEL® NERVANA™ NNP T-1000



QUICK SPECS

- Bfloat16: 119 TOPS
- 60 MB on-chip SRAM

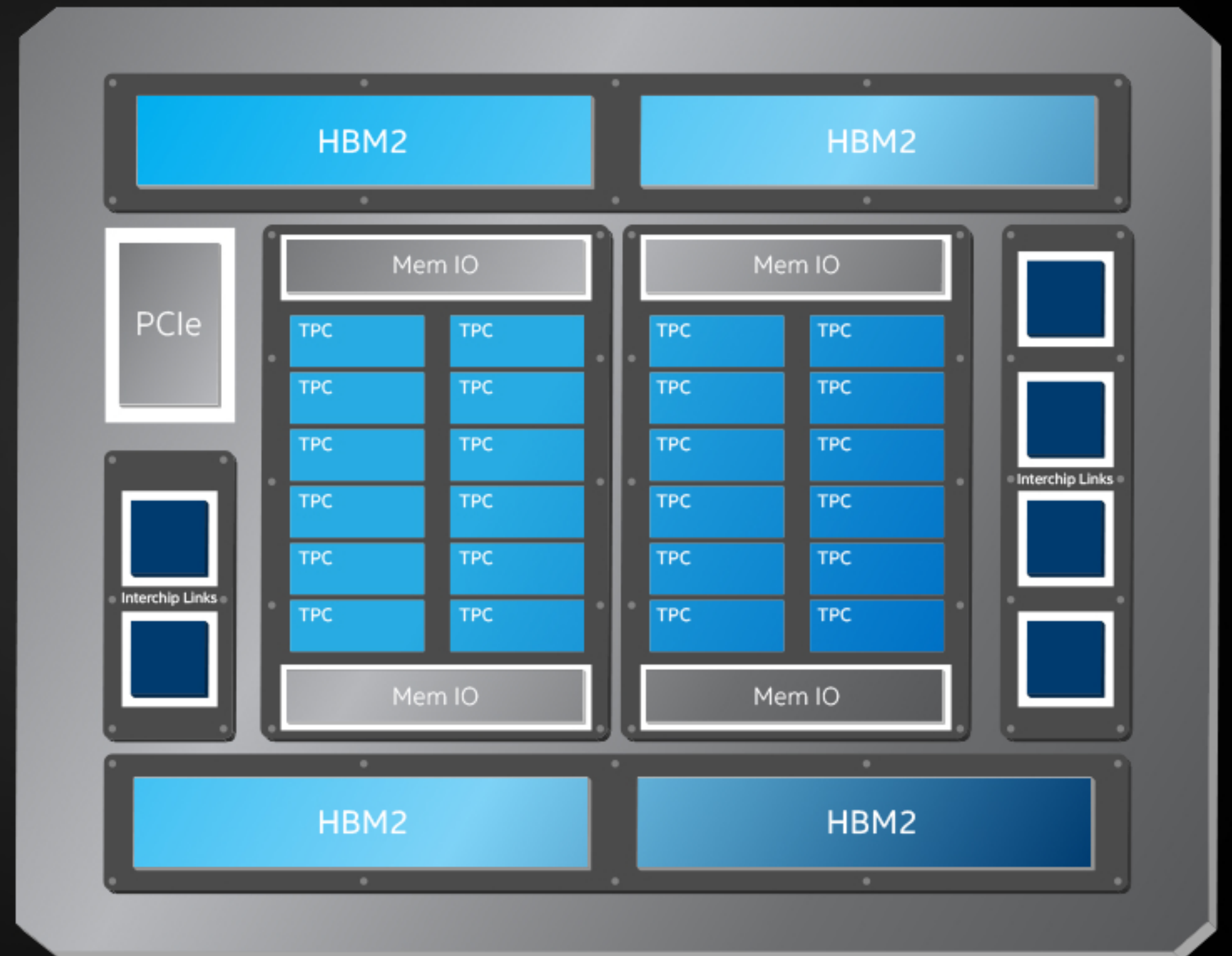
INTEL® NERVANA™ NNP T-1000

Balanced compute, memory, and communication for near-linear scaling of even the most complex models

DEDICATED TENSOR
PROCESSING CLUSTERS (TPCs)

HIGH-BANDWIDTH MEMORY

SCALABLE DESIGN

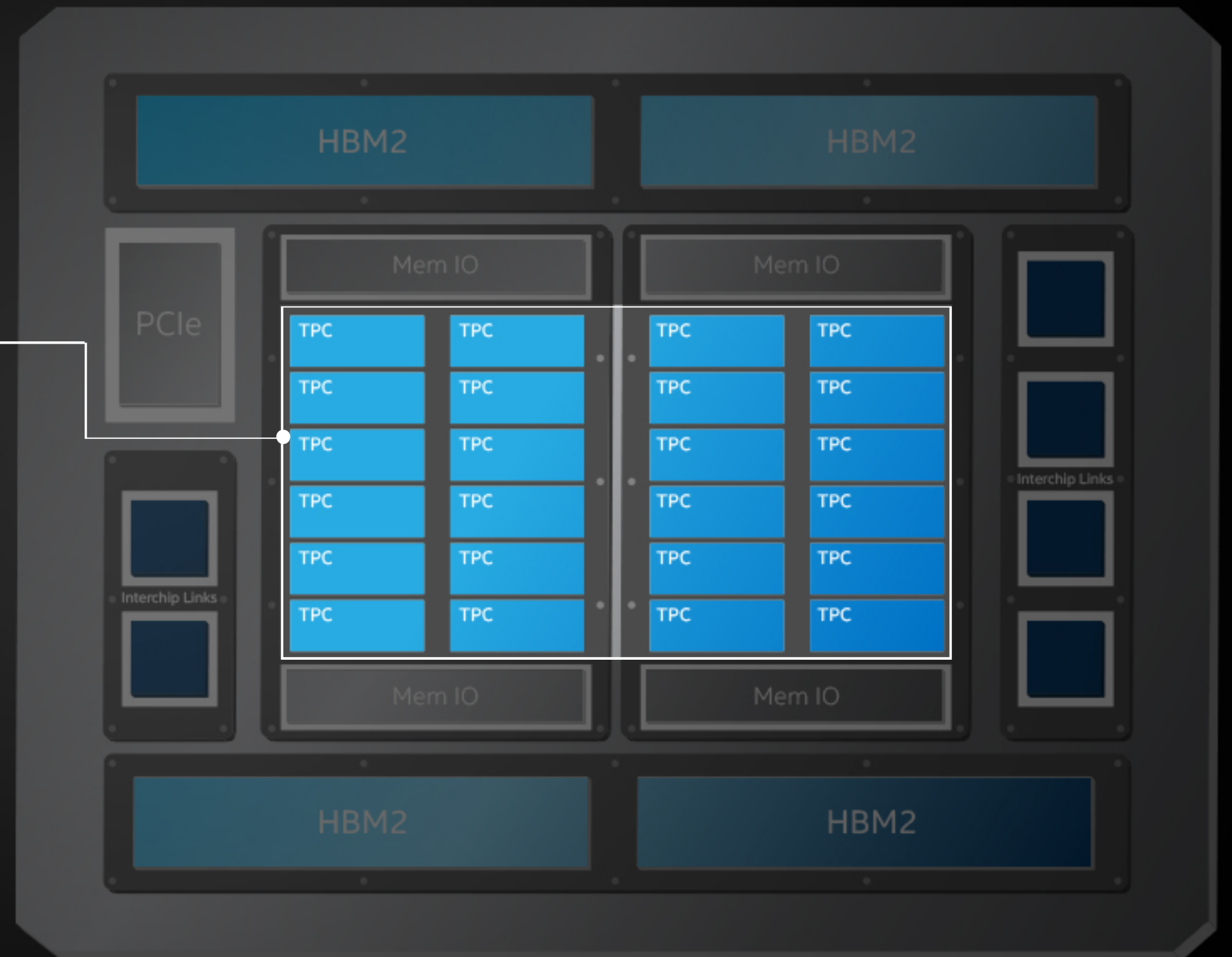


INTEL® NERVANA™ NNP T-1000

Balanced compute, memory, and communication for near-linear scaling of even the most complex models

DEDICATED TENSOR PROCESSING CLUSTERS (TPCs)

Specialized TPCs provide high utilization of underlying compute



INTEL® NERVANA™ NNP T-1000

Balanced compute, memory, and communication for near-linear scaling of even the most complex models

HIGH-BANDWIDTH MEMORY

High-efficiency memory architecture with independent HBM and TPC-to-TPC data buses enables scaling of complex training models

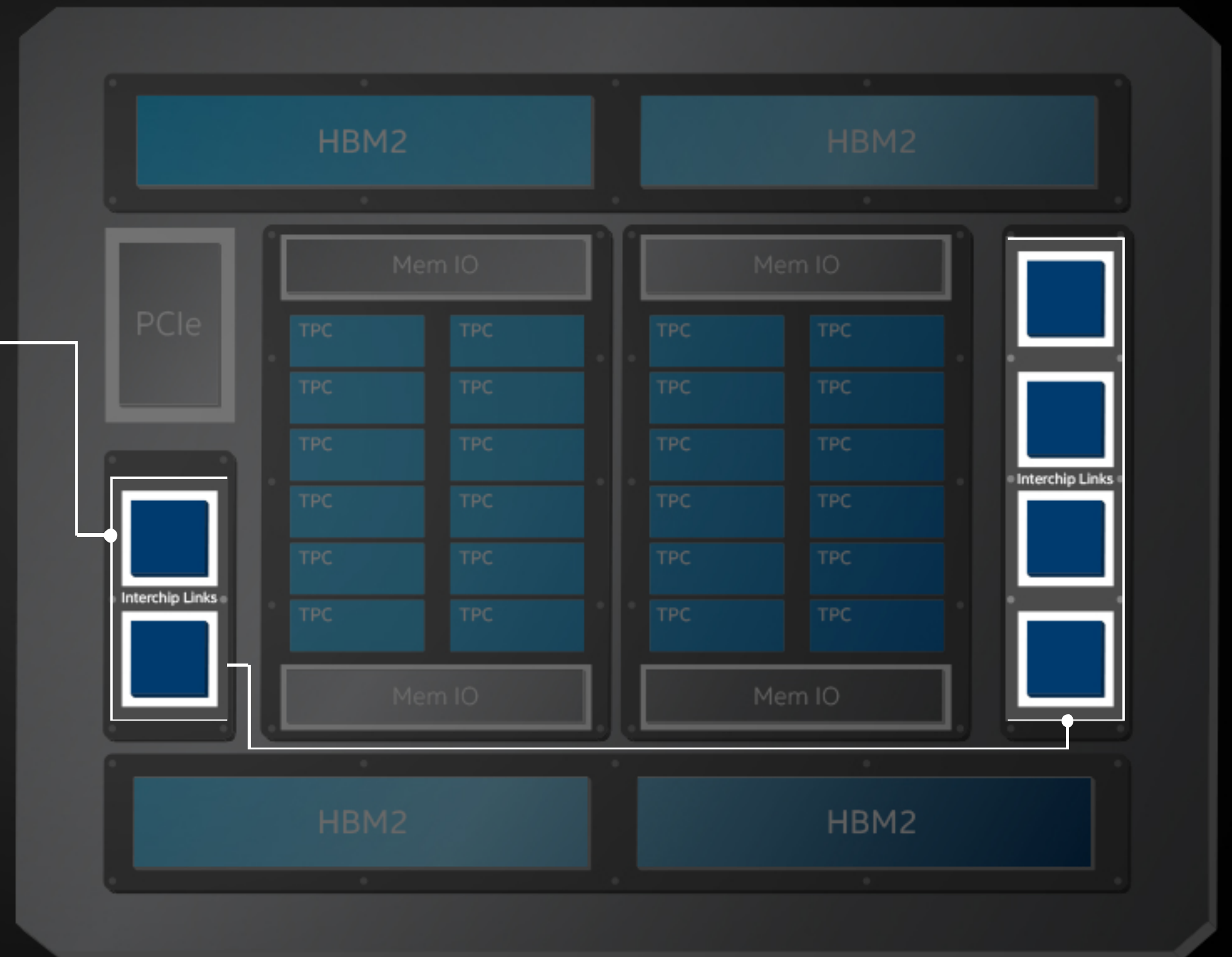


INTEL® NERVANA™ NNP T-1000

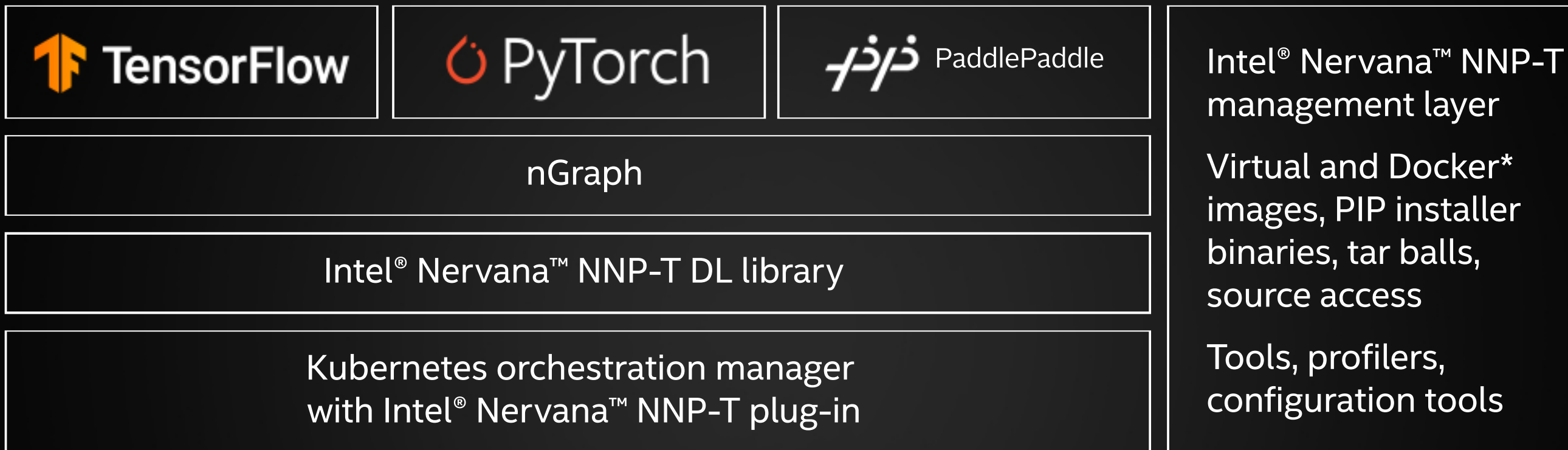
Balanced compute, memory, and communication for near-linear scaling of even the most complex models

SCALABLE DESIGN

Glueless connectivity with massive scaling via intra- and inter-chassis links, enabling cross-chassis scale-out with the same network connectivity



INTEL® NERVANA™ NNP T-1000 Product Platform



INTEL® NERVANA™ NNP-T
PCIe AND OAM MEZZ CARDS
For server solutions



SYSTEMS WITH
INTER-CHASSIS FABRIC
For OEM server solutions



POD
REFERENCE DESIGN
For OEM cloud-scale solutions

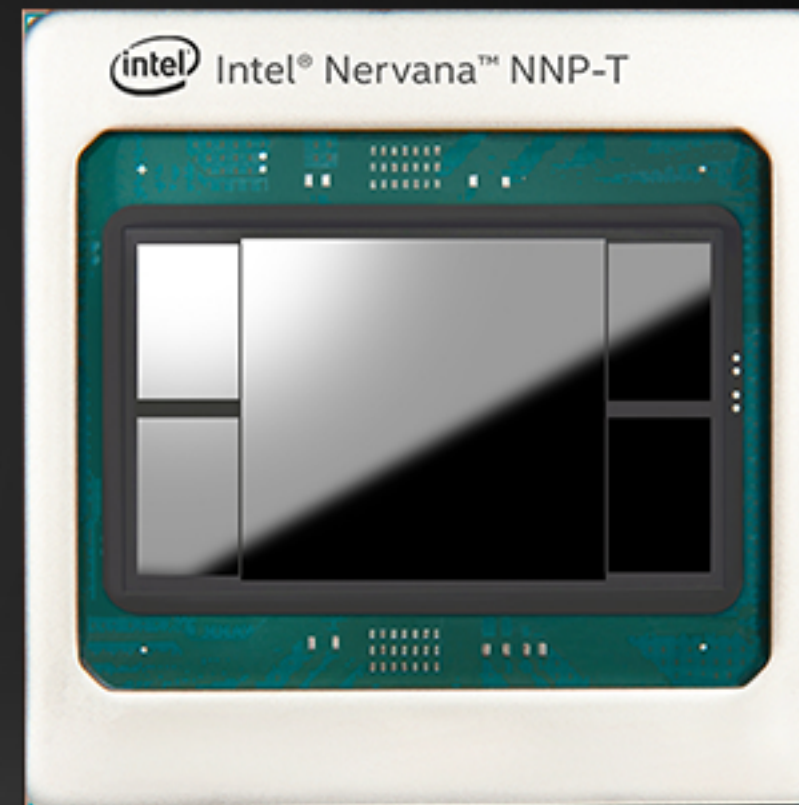
INTEL® NERVANA™ NEURAL NETWORK PROCESSOR FAMILY

Delivering the scale and efficiency demanded
by deep learning model evolution



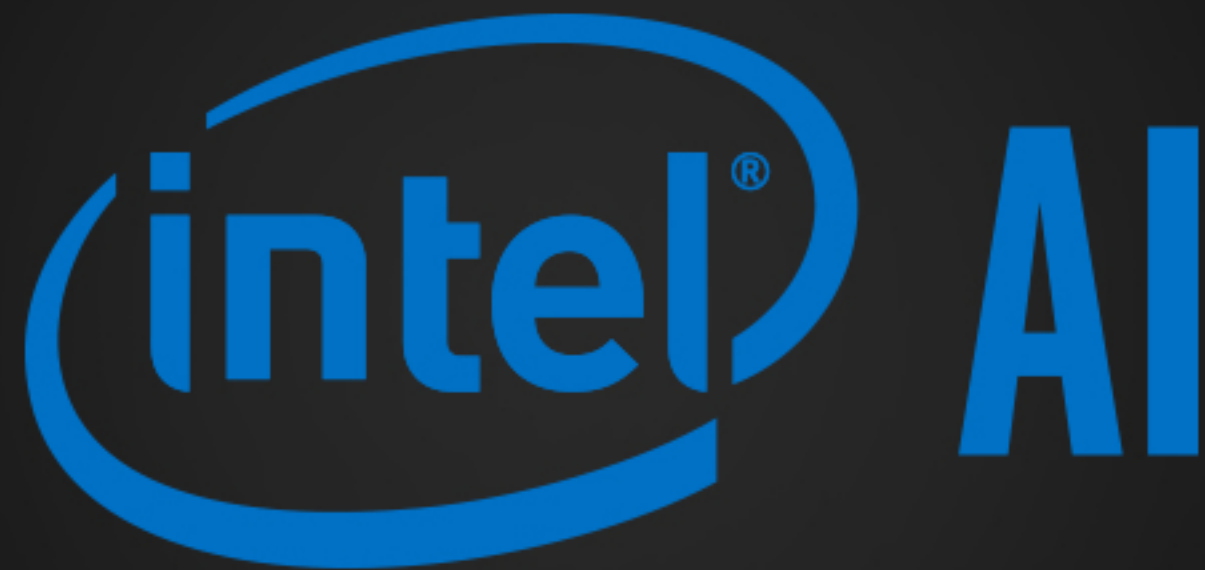
INTEL® NERVANA™ NNP-I

Intense inference performance
scaling for diverse latency and
power needs



INTEL® NERVANA™ NNP-T

Deep learning training at incredible
scale and efficiency, solving memory
constraints and data flow
bottlenecks



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