

KEY FEATURES

1U Rackmount System

Dual AMD EPYC™ 7002 Series CPU

16x 64GB DDR4 3200MHz ECC memory

2x 3.84TB Hot Swappable NVMe

2x 960GB Hot Swappable NVMe

2x Mellanox ConnectX®-5 Dual Port 100Gb/s NIC

1200W Redundant Power Titanium Level (96%) 3 Year

Return to Base Warranty



BOSTON GRAPHCORE POPLAR® SERVER

A DYNAMIC HOST NODE FOR GRAPHCORE IPU-POD

The Boston Poplar is fully qualified by Graphcore as the default server to host for IPU-POD systems. Powered by dual AMD EPYC™ 7002 Series CPUs, and leveraging expansion options from their architecture, the Boston Poplar offers 4x PCIe x16 Gen 4.0 slots, up to 12 x U.2 NVMe Gen 4.0 and 4x 100Gb/s Mellanox ConnectX®-5 network interfaces.

The Boston Poplar is a head node for Graphcore IPU-POD configurations, currently available in IPU-POD₁₆ configuration with 4 x IPU-M2000s, as well as an IPU-POD₆₄ configuration with 16 x IPU-M2000s. Other configurations such as IPU-POD₃₂ and larger scale-out systems (IPU-POD₁₂₈ and IPU-POD₂₅₆) will be available in 2021. IPU-M2000s are fully supported by Graphcore's Poplar® software development environment, providing a complete and mature platform for ML development and deployment. Standard ML frameworks including TensorFlow, ONNX, and PyTorch are fully supported along with access to PopLibs through Graphcore's Poplar C++ API.

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NETWORKING

We have a range of switches and transceivers. Get in touch with our sales team to discuss your requirements.



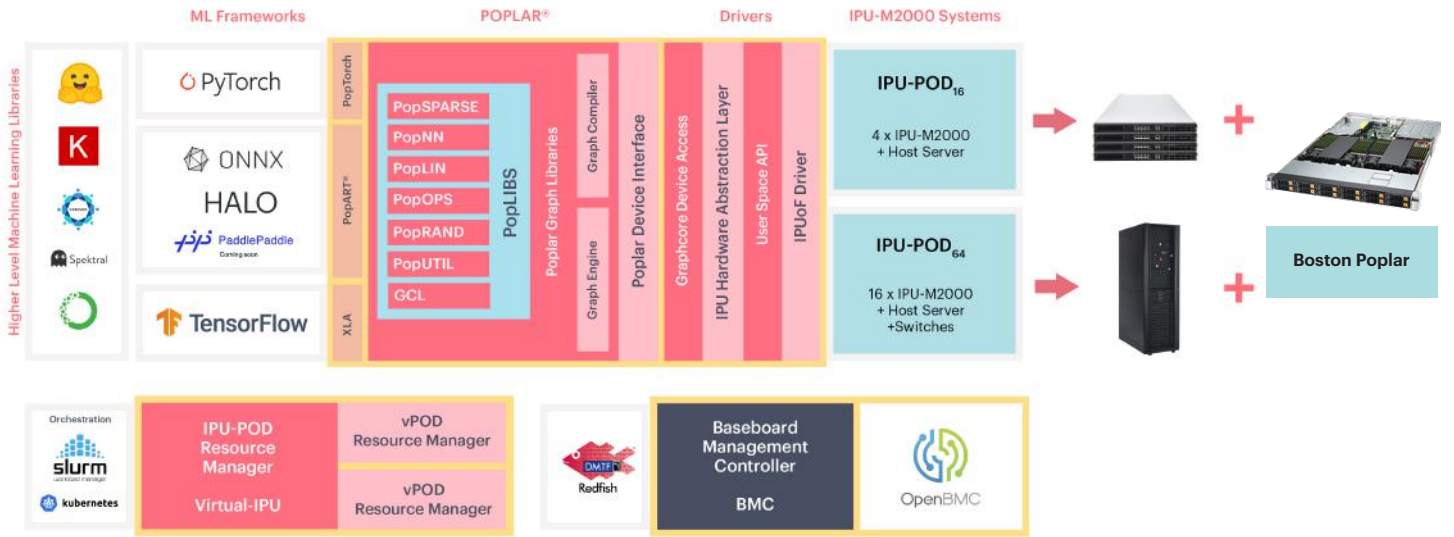
LEASING

All of our hardware and services are available to lease. Get in touch with our sales team to discuss your requirements.



GLOBAL SUPPORT & WARRANTY

Our after sales support team are on hand to answer any queries and provide warranty support services.



CUSTOMISABLE SYSTEM SPECIFICATIONS

MODEL	BOSTON GRAPHCORE POPLAR® SERVER
FORM FACTOR	1U
CHIPSET	AMD EPYC™ SoC
PROCESSOR SUPPORT	2nd Generation AMD EPYC™ 7002 Series
MEMORY TYPE	DDR4 ECC Registered 3200MHz
MEMORY CAPACITY	Up to 8TB (4TB per socket)
EXPANSION SLOTS	2x PCIe x16 Gen 4.0 (FH, 9.5"L) 1x PCIe x16 Gen 4.0 (LP) 1x PCIe x16 Gen 4.0 (internal proprietary LP slot)
DISK SUPPORT	12x U.2 2.5" NVMe and/or SATA/SAS
NETWORK CONNECTIVITY	2x 10Gb RJ45 + 2x 10Gb SFP+ (via onboard Intel® X710-TM4) 4x 100Gb QSFP28 (via Mellanox ConnectX® 5)

Customised configurations are available - contact us to discuss your requirements.