

Graphcore C600

Colossus MK2

PCIe

2022

OVERVIEW

—	—	—	185 W
FP32 TFLOPS	Memory On-die SRAM	Memory Bandwidth	TDP

PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	—	—	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	280.0	16	Standard
FP8	560.0	8	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	—
Type	On-die SRAM
Bandwidth	—
Interface Width	—

POWER & EFFICIENCY

TDP	185 W
Max power	252 W
FP32 dense TFLOPS per W of TDP	—
FP16 dense TFLOPS per W of TDP	1.51 TFLOPS/W

Per W of TDP figures divide dense peak by accelerator TDP.
Board power only: excludes host CPUs, networking, cooling and facility overhead.

HARDWARE DETAILS

Vendor: Graphcore	Architecture: Colossus MK2	Process Node: —
Form Factor: PCIe	Launch Year: 2022	

COMPUTE ENGINE

IPU-Cores: 1,472	Base Clock: 1.50 GHz
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INTERCONNECT

GPU-to-GPU: IPU-Link	Bandwidth: 125 GB/s direction and scope not stated by vendor	Links: 4
PCIe: 4.0 x16		