



AMD Radeon RX Vega 56 8GB

Vega PCIe 2017

OVERVIEW

10.5 FP32 TFLOPS	8 GB VRAM HBM2	410 GB/s Memory Bandwidth	210 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	10.5	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	21.0	16	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	—	—	Standard

MEMORY SPECIFICATIONS

Capacity	8 GB
Type	HBM2
Bandwidth	410 GB/s
Interface Width	2048-bit

POWER & EFFICIENCY

TDP	210 W
Est. Max Power	241 W
FP32 Efficiency	0.05 TFLOPS/W
FP16 Efficiency	0.10 TFLOPS/W

HARDWARE DETAILS

Vendor: AMD	Architecture: Vega	Process Node: —
Form Factor: PCIe	Launch Year: 2017	Variant: 8GB

COMPUTE ENGINE

Stream Processors: 3,584	CUs: 56	Base Clock: 1.16 GHz
Boost Clock: 1.47 GHz		

CHIP DESIGN

Transistors: 12.5 billion	Chiplets: 1 (Monolithic)
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ENTERPRISE FEATURES

Sparsity: No
