



# AMD Radeon RX Vega 64 8GB

Vega PCIe 2017

## OVERVIEW

|                     |                   |                              |              |
|---------------------|-------------------|------------------------------|--------------|
| 12.7<br>FP32 TFLOPS | 8 GB<br>VRAM HBM2 | 484 GB/s<br>Memory Bandwidth | 295 W<br>TDP |
|---------------------|-------------------|------------------------------|--------------|

## PERFORMANCE METRICS

| Precision | Peak (dense) | Bits | Type     |
|-----------|--------------|------|----------|
| FP64      | —            | —    | Standard |
| FP32      | 12.7         | 32   | Standard |
| TF32      | —            | —    | Standard |
| BF16      | —            | —    | Standard |
| FP16      | 25.3         | 16   | Standard |
| FP8       | —            | —    | Standard |
| FP6       | —            | —    | Standard |
| FP4       | —            | —    | Standard |
| INT8      | —            | —    | Standard |

## MEMORY SPECIFICATIONS

|                 |          |
|-----------------|----------|
| Capacity        | 8 GB     |
| Type            | HBM2     |
| Bandwidth       | 484 GB/s |
| Interface Width | 2048-bit |

## POWER & EFFICIENCY

|                 |               |
|-----------------|---------------|
| TDP             | 295 W         |
| Est. Max Power  | 339 W         |
| FP32 Efficiency | 0.04 TFLOPS/W |
| FP16 Efficiency | 0.09 TFLOPS/W |

## HARDWARE DETAILS

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

## COMPUTE ENGINE

|                          |         |                      |
|--------------------------|---------|----------------------|
| Stream Processors: 4,096 | CUs: 64 | Base Clock: 1.25 GHz |
| Boost Clock: 1.55 GHz    |         |                      |

## CHIP DESIGN

|                           |                          |
|---------------------------|--------------------------|
| Transistors: 12.5 billion | Chiplets: 1 (Monolithic) |
|---------------------------|--------------------------|

ENTERPRISE FEATURES

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Sparsity: No

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