

# AMD RADEON™ PRO W7500 GRAPHICS

## SPECIFICATIONS

<b>Product</b>	AMD Radeon™ PRO W7500 Graphics
<b>Architecture</b>	AMD RDNA™ 3
<b>Hardware Raytracing</b>	Yes
<b>Lithography</b>	TSMC 6NM
<b>Ray Accelerators</b>	28
<b>ROPs</b>	64
<b>Stream Processors</b>	1792
<b>Compute Units</b>	28
<b>Shaders</b>	64
<b>Peak Half Precision (FP16) Performance</b>	24.38 TFLOPS
<b>Peak Single Precision (FP32) Performance</b>	12.19 TFLOPS
<b>Peak Double Precision (FP64) Performance</b>	.38 TFLOPS
<b>Transistor Count</b>	13.3 Billion
<b>Total Board Power</b>	70W
<b>PSU Recommendation</b>	350W
<b>Dedicated Memory Size/ Type</b>	8GB GDDR6
<b>Memory Data Rate</b>	10.8 Gbps
<b>AMD Infinity Cache™</b>	Yes, 32MB
<b>Memory Interface</b>	128-bit
<b>Peak Memory Bandwidth</b>	up to 173 GB/s
<b>Memory ECC Support</b>	No
<b>4K H264 Encode   Decode</b>	Yes   Yes
<b>H265/HEVC Encode   Decode</b>	Yes   Yes
<b>AV1 Encode   Decode</b>	Yes   Yes
<b>3D Stereo Support</b>	Yes
<b>Bus Type</b>	PCIe 4.0 x8
<b>Display Type(s)</b>	4X DisplayPort™ 2.1
<b>Display Configurations</b>	4x @ 3840x2160px (4K) 4x @ 5120x2880px (5K) 2x @ 7680x4320px (8K)
<b>Form Factor</b>	PCIe® Add-in Card
<b>Cooling</b>	Active
<b>HDR Support</b>	Yes
<b>8K Support</b>	Yes
<b>16K Support</b>	No
<b>Board Height   Length</b>	Full Height   8.5" (216mm)
<b>Board Width</b>	Single Slot