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Specifications

#SKU#: 11330-02-20G SAPPHIRE PULSE AMD Radeon™ RX 7800 XT, 16GB, AMD RDNA™ 3

GPU	AMD Radeon™ RX 7800 XT Graphics Card 5nm GPU AMD RDNA™ 3 Architecture	
Engine Clock	Boost Clock: Up to 2430 MHz Game Clock: Up to 2124 MHz Boost Clock is the maximum frequency achievable on the GPU running bursty workload. Boost clock achievability, frequency, and sustainability will vary based on several factors, including but not limited to: thermal conditions and variation in application and workloads. Game Clock is the expected GPU clock when running typical gaming applications, set to typical TGP(Total Graphics Power). Actual individual game clock results may vary.	
Stream Processors	3840	
Compute Units	60 CU (with RT+AI Accelerators)	
Infinity Cache	64MB	
Ray Accelerators	60	
Memory Size/Bus	16GB/256 bit GDDR6	
Memory Clock	19.5 Gbps Effective	
Displays	Maximum 4 Displays	
Resolution	HDMI™: 7680×4320 DisplayPort 2.1: 7680×4320	
Interface	PCI-Express 4.0 x16	
Output	2x HDMI 2x DisplayPort	
BIOS Support	UEFI	
Game Index	4K	
Sapphire Features	Digital Power Design Ultra High Performance Conductive Polymer Aluminum Capacitors Fuse Protection	



	High TG Copper PCB Optimized Composite Heatpipe Dual-X Cooling Technology Intelligent Fan Control Precision Fan Control Metal Backplate Angular Velocity Fan Blade Dual-Ball Bearing Fans TriXX Supported TriXX Boost
AMD Features	AMD RDNA™ 3 Architecture 60 AMD RDNA™ 3 Compute Units (with RT+AI Accelerators) 64MB AMD Infinity Cache™ Technology DisplayPort™ 2.1Support AMD Radiance Display™ Engine 16GB GDDR6 on 256-Bit Memory Bus PCI® Express 4.0 ready AMD FidelityFX™ Super Resolution technology Microsoft® DirectX® 12 Ultimate Support Microsoft® DirectStorage Support Vulkan® Optimized AMD Smart Technologies AMD Software: Adrenalin Edition™ AMD Noise Suppression AMD Privacy View AMD Radeon™ Super Resolution technology AMD Link AMD FreeSync™ technology
Cooling	2 Fans
Form Factor	2.5 slot, ATX Dimension: 280(L)X 128.75(W)X 52.57 (H)mm
Power Consumption	266W Total Board Power
OS	Linux®, Windows® 10, and Windows 11. 64-bit operating system required
System Requirement	Minimum 700 Watt Power Supply 2 x 8-pin Power Connector. PCI Express® based PC is required with one X16 lane graphics slot available on the motherboard. Minimum 8GB of system memory. 16GB recommended.

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- Specifications provided here are for guidance only. Please check with your regional distributor or dealer for latest specifications.
- Colors of PCB or other components may differ from those illustrated.
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