

NVIDIA GeForce RTX 3080 - Technical Specification Sheet

Core Specifications

GPU Architecture	NVIDIA Ampere
CUDA Cores	8,704
Base Clock	~1,440 MHz
Boost Clock	~1,710 MHz
Ray Tracing Cores	2nd Generation
Tensor Cores	3rd Generation

Memory

Memory Size	10GB GDDR6X
Memory Interface	320-bit
Memory Speed	19 Gbps
Bandwidth	760 GB/s

Performance

Max Digital Resolution	7680×4320 (8K)
DirectX Support	12 Ultimate
OpenGL Support	4.6
VR Ready	Yes

Connectivity

Display Outputs	3 × DisplayPort 1.4a, 1 × HDMI 2.1
Multi-Monitor Support	Up to 4 Displays

Power & Thermal

Graphics Card Power (TDP)	320W
Recommended PSU	750W
Power Connectors	2 × 8-pin or 12-pin (varies by OEM)
Cooling	Axial-tech / Dual / Triple Fan (depends on model)

Physical

Interface	PCI Express 4.0 ×16
Card Dimensions	Varies by OEM (~285 mm length)
Slot Size	2–2.7 slots

Factory & Wholesale Supply Available
OEM/ODM Customization Possible
Bulk Order Pricing on Request