



- [Home](#)
- [Drivers](#)
- [Optimize](#)
- [Hardware](#)
- [Games](#)
- [Community](#)

GeForce > Hardware > Desktop GPUs > GeForce GTX 550 Ti > **Specifications**

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GeForce GTX 550 Ti

- [Overview](#)
- [Performance](#)
- [Features](#)
- [Specifications](#)
- [Games](#)
- [Tech Demos](#)
- [Reviews](#)
- [Videos](#)
- [Product Shots](#)

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Product Family

- [GeForce GTX 590](#)
- [GeForce GTX 580](#)
- [GeForce GTX 570](#)
- [GeForce GTX 560 Ti](#)
- [GeForce GTX 560 Ti \(OEM\)](#)
- [GeForce GTX 560](#)
- [GeForce GTX 560 \(OEM\)](#)
- [GeForce GTX 550 Ti](#)
- [GeForce GT 545 GDDR5 \(OEM\)](#)
- [GeForce GT 545 DDR3](#)
- [GeForce GT 520](#)
- [GeForce GT 520 \(OEM\)](#)
- [GeForce GT 530 \(OEM\)](#)
- [GeForce 510 \(OEM\)](#)

Product Info

GeForce GTX 550 Ti



COMPARE AND BUY

Supported Technologies

- [3D Vision](#) [More >](#)
- [CUDA](#) [More >](#)
- [DirectX 11](#) [More >](#)
- [PhysX](#) [More >](#)
- [SLI](#) [More >](#)

Specifications

Note: The below specifications represent this GPU as incorporated into NVIDIA's reference graphics card design. Graphics card specifications may vary by Add-in-card manufacturer. Please refer to the Add-in-card manufacturers' website for actual shipping specifications.

GPU Engine Specs:

CUDA Cores	192
Graphics Clock (MHz)	900
Processor Clock (MHz)	1800
Texture Fill Rate (billion/sec)	28.8

Memory Specs:

Memory Clock	4100 Gbps
Standard Memory Config	1024
Memory Interface	GDDR5
Memory Interface Width	192-bit
Memory Bandwidth (GB/sec)	98.4

Feature Support:

OpenGL	4.1
Bus Support	PCI-E 2.0 x16
Certified for Windows 7	Yes
Supported Technologies	3D Vision, CUDA, DirectX 11, PhysX, SLI
SLI Options ¹	2-way
3D Vision Surround Ready	Yes
Surround Ready ⁴	Yes

Display Support:

Multi Monitor	Yes
Maximum Digital Resolution	2560x1600
Maximum VGA Resolution	2048x1536
HDCP	Yes
HDMI ³	Yes
Standard Display Connectors	Two Dual Link DVI-I, Mini HDMI
Audio Input for HDMI	Internal
HDMI Version	1.4a

Standard Graphics Card Dimensions:

Length	8.25 inches
Height	4.376 inches
Width	Dual slot

Thermal and Power Specs:

Maximum GPU Temperature (in C)	100 C
Maximum Graphics Card Power (W)	116 W
Minimum System Power Requirement (W) ⁴	400W
Supplementary Power Connectors ⁵	One 6-pin

1 - A GeForce GTX 550 Ti GPU must be paired with another GeForce GTX 550 Ti GPU (graphics card manufacturer can be different). SLI requires sufficient system cooling and a compatible power supply. See list of [SLI-Certified components](#) for more information.

4 - NVIDIA Surround requires two or more graphics cards in NVIDIA SLI configuration. Visit the [3D Vision Surround](#)

GeForce GTX 550 Ti - Specifications - GeForce

section for more information.

3 - Support for HDMI 1.4a including GPU accelerated Blu-ray 3D support (Blu-ray 3D playback requires the purchase of a compatible software player from CyberLink, ArcSoft, Corel, or Sonic), x.v.Color, HDMI Deep Color, and 7.1 digital surround sound. Upgrade your GPU to full 3D capability with NVIDIA 3DTV Play software, enabling 3D gaming, picture viewing and 3D web video streaming. See www.nvidia.com/3dtv for more details.

5 - Not applicable to OEM sku - contact OEM for more information.