

# GAINWARD

Premium Brand of #1 NVIDIA Board Partner

## Gainward GeForce GTX TITAN X 12GB

### Specifications

Process Technology	28nm	Base Clock	1000MHz
Processor Cores	3072 cores	Boost Clock	1075MHz
Memory Amount	12288MB	Memory Clock	3500 MHz
Memory Type	384b GDDR5	Memory Bandwidth	336 (GB/Sec)

### Key Features

- NVIDIA Maxwell architecture, 12GB on board memory
- NVIDIA GPU Boost 2.0
- NVIDIA Dynamic Super Resolution technology
- NVIDIA MFAA technology
- NVIDIA GameStream technology
- NVIDIA GameWorks technology
- NVIDIA SHIELD ready
- NVIDIA Adaptive Vertical Sync
- NVIDIA G-SYNC ready
- Microsoft DirectX 12 support
- NVIDIA PhysX technology
- NVIDIA CUDA technology
- NVIDIA 3D Vision and NVIDIA Surround ready
- NVIDIA 4-way SLI technology
- PCI Express 3.0 support
- OpenGL 4.5 and OpenCL support
- Support for four concurrent displays

HDMI  
HDCP  
COMPLIANT



### Output Support



HDMI : (max. resolution)  
4096x2160 @60Hz  
DP \*3 : (max. resolution)  
4096x2160 @60Hz  
DVI-I : (max. resolution)  
2560x1600 @60Hz

### Dimension

Board: 267mm(L)x112mm(W)  
Cooler :2 slot  
Bracket: 2 slot

### Accessory

1. Driver DVD
2. Manual
3. Power cable



### GPU Boost 2.0

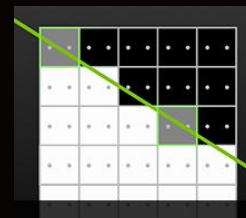
extracts every ounce of computing power from graphics cards, maximizing frame rates in each and every game. Compared to the original GPU Boost, GPU Boost 2.0 is faster and more flexible, giving users more control over its configuration.



### GPU Boost 2.0

### MFAA:

With the launch of Maxwell we are introducing the world to Multi-Frame Anti-Aliasing (MFAA). This new, Maxwell-exclusive anti-aliasing technique improves edge quality with a minimal performance cost, and helps you enjoy anti-aliased games at ultra high resolutions like 4K.



### Expertool //



Gainward's Expertool II – the brand-new utility adds new features such as BIOS saving for powerful GTX TITAN X card.

### Minimum system requirements

Graphics card require:

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- 8-pin + 6-pin PCI Express supplementary power connectors
- Minimum 600W or greater system power supply
- Microsoft Windows 8, 7, Vista

GW GTX Titan X\_bar code: 426018336-3439