ComX Computers
Product Specification Sheet

N780-TF3GD5/OC

MSI nVidia GeForce GTX780 3GB GDDR5 384-Bit Graphics Card

Product Overview

MSI nVidia GeForce GTX780 PCI-Express x16 3.0, 3GB GDDR5, 384-Bit, GPU:954MHz (1006MHz Boost) / Mem:6008MHz, DVI x2, 1x DP, DirectX 11.1Dual Slot ATX, Gaming App, Advanced Twin Frozr IV Cooling, Military Class Components, New Super Ferrite Chokes











Specifications

Features:

NOW YOU'RE GAMING WITH MSI
A graphics card is the single most important element for more FPS. As gamers, we understand that not just any graphics card "will do". That's why we bring you the best of the best. We don't want to bug you with noise and heat, but we DO want to give you more performance. With MSI GAMING series graphics cards you get just that.

PRE OVERCLOCKED PERFORMANCE
Most MSI Gaming graphics cards come pre-overclocked out of the factory. This simply means you get more performance out of your card, without spending any time on checking for maximum clocks and stability. Pre-overclocked graphics cards simply give more performance and you don't have to worry about damaging your card, it is completely covered by our warranty!

GAMING APP EASY TUNE, EASY PLAY
OC Mode - Tune up core clock and fan speed to gain a best performance.
Gaming Mode (Default) - Provide a stable gaming experience with higher core clock.
Silent Mode - The best operating environment with fabulous low noise.

ADVANCED TWIN FROZR IV
MSI's Twin Frozr has been the industry defining graphics card cooler. The first Twin Frozr kicked of the dual-fan trend and today MSI stays true to its dual-fan dual-slot design where others have to resort to less effective means. The other part that the Twin Frozr cooler uses is a large Aluminium fin grid array that provides a huge amount of surface area for cooling. Heat from the GPU is transferred to the fin grid array by virtue of heat pipes with MSI's special SuperPipe technology.

SuperPipes transfer heat twice as fast as regular heat pipes enabling an MSI GAMING graphics card to stay cooler than the competition. Futhermore, MSI provide all new Airflow Control technology on Twin Frozr. This new thermal tech. is leading airflow to heat pipe by spcial defletor on heatsink, so it can deflect more airflow to heat pipes directly. In addtion,This exclusive heatsink design is increasing the area of heatsink so that enhacing the efficiency of dissipation much more.

MILITARY CLASS COMPONENT
One of the deciding factors in performance is the quality of the components used. That is why MSI only uses MIL-STD-810G certified components for its Gaming cards because only these components have proven to be able to withstand the torturous circumstances of extreme gaming and overclocking.

SOLID CAP
One With their aluminum core design, Solid CAP's have been a staple in high-end design mainboard designs and provides lower Equivalent Series Resistance (ESR) as well as its over-10-year lifespan.

Hi-C CAP
A Hi-c CAP is a very small, but super-efficient capacitor. Besides ensuring enough spacing around a CPU socket to install large coolers, it also allows for 93% energy efficiency. Thanks to Hi-c CAP's MSI mainboards are the most energy efficient in the market.

EXPERIENCE - PREDATOR, SHARE FOR FUN
A built-in screen and video capturing tool named Predator whichcaptures your screen as still images or videos with the push of a button and allows you to capture and record your coolest, goofiest and most awesome gaming moments on your PC!

AFTERBURNER
MSI Afterburner has quickly become the favorite overclocking software for media, overclockers and end-users. Because of its simple interface, it's easy to learn, but it packs a lot of powerful features like an integrated benchmark utility called Kombustor that can check your system performance in benchmarking mode, or run as a stability test.

Don't speak English? No problem: MSI Afterburner is translated in many languages including Russian, Spanish, Chinese and Korean! Not satisfied with the looks? Just change to one of the many different skins or create one yourself with ease! Even better, you can run Afterburner straight from your smartphone! Download the MSI Afterburner App from Google Play or the Apple store.

Specifications:

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Specifications	
Product Code	N780-TF3GD5/OC
Graphics Engine	NVIDIA GeForce GTX 780
Interface	PCI Express x16 3.0
Memory Type	GDDR5
Memory Size(MB)	3072
Memory Interface	384 bits
Core Clock Speed(MHz)	954MHz Core (Boost Clock:1006MHz) (OC mode)
	902MHz Core (Boost Clock:954MHz) (Gaming mode)
	863MHz Core (Boost Clock:902MHz) (Silent mode)
Memory Clock Speed(MHz)	6008
DVI Output	2 (Dual-link DVI-I x 1, Dual-link DVI-D x 1)
HDMI-Output	1 (version 1.4a)
DisplayPort	1 (version 1.2)
HDCP Support	Y
HDMI Support	Y
Dual-link DVI	Y
Display Output (Max Resolution)	2560x1600
RAMDACs	400
DirectX Version Support	11.1 API (feature level 11_0)
OpenGL Version Support	4.3
SLI Support	Y
3-way SLI	Y
Card Dimension(mm)	266x129x38 mm

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/N780-TF3GD5-OC-MSI-nVidia-GeForce-GTX780-3GB-GDDR5-384-Bit-Graphics-Card-p-78988.php

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