**ComX Computers**
Product Specification Sheet

# SC-A1080TiS

Asus ROG Strix GeForce GTX 1080 Ti 11GB GDDR5X 352bit Graphics Card

## Product Overview

Asus STRiX-GTX1080Ti-11G-gaming - Aura RGB Lighting (front+backplate) with 6 colors scheme, DirectCU 3(iii) with triple fan design + back-sided heatsink + 10mm copper heatpipes with DCH (Direct Contact Heatpipes), support 0dB silent mode, DIGI+ VRM with 8+2-phase Super Alloy Power ii, 16nm, 3-way SLi support, Pci-E 3.0 16x, support Adaptive Vertical Sync, support 4xdisplay, FXAA+TXAA; 11Gb/11264mb DDR5X 352bit, RoPs: 88, 320Gb/sec memory transfer, 3584 cuda cores (pixel shader engine + vertex pipelines), 10609GFLoPS, 332GTexels/Sec, 224x TMUs, core clock: 1480/1620mhz; memory: 11010mhz, free 1-year premium XSplit Gamecaster, dvi+ HDMi+ VR-HDMi + 2x DP




## Specifications

**Features:**

**OUTSHINE THE COMPETITION**
ROG Strix GeForce® GTX 1080 Ti gaming graphics cards are packed with exclusive ASUS technologies, including all-new MaxContact Technology that is 2X more contact with GPU for improved thermal transfer, and Patented Wing-Blade IP5X-Certified Fans for maximum airflow and longer fan lifespan. While ASUS FanConnect II features 4-pin, hybrid-controlled headers connected to system fans for optimal system cooling. ASUS Aura Sync RGB LED synchronization enables a gaming system personalization and VR-friendly HDMI ports let gamers easily enjoy immersive virtual reality experiences. ROG Strix GeForce® GTX 1080 Ti also has GPU Tweak II with XSplit Gamecaster that provides intuitive performance tweaking and instant gameplay streaming.

**Up to 30% Cooler and 3X Quieter Gaming Performance**
New ROG Strix graphics are constructed with a 2.5-slot width, providing 40% more heat sink surface area for heat dissipation compared to previous 2-slot designs for dramatically cooler and quieter performance.

**2X More Contact with GPU for Improved Thermal Transfer**
MaxContact is an industry-first GPU cooling technology, featuring an enhanced copper heat spreader that directly contacts the GPU. MaxContact utilizes precision machining to provide a surface that makes up to 2X more contact with the GPU than traditional heat spreaders, resulting in improved thermal transfer.

**Max Air Flow with 105% More Air Pressure**
Patented wing-blade fans delivers maximum air flow and 105% greater static pressure over the heat sink, while operating at an up to 3X quieter volume than reference cards.

**Game in Complete Silence**
Innovative 0dB technology stops the fan completely when the GPU temperature remains below a set level*, letting you enjoy light gaming in complete silence.

**Longer Fan Lifespan**
The fans in ROG Strix graphics cards are certified under the International Protection Marking (IP code) as IP5X dust resistant for improved reliability and a longer lifespan. This stringent certification process ensures ROG Strix graphics cards provide optimal fan performance, even under severe conditions.

**Optimal System Cooling**
ASUS FanConnect II features two 4-pin, hybrid-controlled headers that can be connected to both PWM and DC system fans for optimal system cooling. The connected fans reference both the GPU and CPU, operating automatically based on the one with the higher temperature. A comprehensive set of tuning options allow you to tune fan speeds for efficient cooling.

**Auto mode**
Chassis fan speeds reference GPU temperatures and operate based on the default factory setting.

**Manual mode**
Allows you to set a fixed speed for connected fans.

**User-defined mode**
Allows you to set chassis fans to reference either the CPU or GPU temperature to determine rotational speed. Additionally, a smart, automatic calibration routine senses the controllable range of connected fans and allows you to fine-tune speeds for efficient cooling and low noise.

**Industry-only 100% Automated Production Process**
All ASUS graphics cards are now produced using Auto-Extreme Technology, an industry-exclusive, 100% automated production process that incorporates premium materials to set a new standard of quality. Auto-Extreme Technology ensures consistent graphics card quality as well as improved performance and longevity. Since the introduction of Auto-Extreme technology, reliability has improved by 30%. This new manufacturing process is also environmentally friendly, eliminating harsh chemicals and reducing power consumption by 50%.

**Enhanced Durability and Efficiency**
ASUS engineers have integrated premium alloy components into their graphics card designs to reinforce overall reliability. Super Alloy Power II components greatly enhance efficiency, reduce power loss and achieve thermal levels that are approximately 50% cooler than previous designs.

**Outshine The Competition**
Featuring Aura RGB Lighting on both the shroud and backplate, ROG Strix graphics cards are capable of displaying millions of colors and six different effects for a personalized gaming system. ROG Strix graphics cards also feature ASUS Aura Sync, RGB LED synchronization technology that enables complete gaming system personalization when the graphics card is paired with an Aura-enabled gaming motherboard.

**Easily Enjoy Immersive Virtual Reality Experience**
ROG Strix graphics cards have two HDMI ports for connecting a VR device and display at the same time, so you can enjoy immersive virtual reality experiences anytime without having to swap cables.

**The Best Combo for Ultra-smooth Gaming**
NVIDIA G-SYNC™ synchronizes the ROG Swift gaming monitor's refresh rate to the GPU in your GeForce® GTX-powered PC, eliminating screen tearing and minimizing display stutter and input lag. With ROG Strix gaming graphics cards and ROG Swift gaming monitors, scenes appear instantly, objects look sharper, and gameplay is super smooth, giving you a stunning visual experience and a serious competitive edge.

**Boost Game in SLI Configuration with ROG SLI HB Bridge**
The all-new ROG SLI HB (High-Bandwidth) Bridge doubles the available transfer bandwidth of the previous generation to deliver gloriously detailed graphics and silky smooth gameplay. Support for multiple 2-way configurations - both 3-slot and 4-slot - provide maximum flexibility. ROG SLI HB Bridge features ASUS-exclusive Aura RGB lighting that displays millions of colors to express your unique gaming style, and Aura Sync technology that perfectly synchronizes lighting for a system that really shines.

**Intuitive Performance Tweaking**
Redesigned with an intuitive, all-new UI, GPU Tweak II makes overclocking easier and more visual than ever, while still retaining advanced options for seasoned overclockers. With one click, the new Gaming Booster function maximizes system performance by removing redundant processes and allocating all available resources automatically.

**One-click Performance Up**

- Visual effects: Boost your performance by turning off windows visual effects.
- System Services: Automatically or manually turn off windows services or process.
- Memory Defragmentation: Re-arrange & free your system memory without closing any processes.

**Instant Gameplay Streaming**
An included 1-year XSplit Gamecaster premium license* - a $99 USD value - lets you easily stream or record gameplay via a convenient, in-game overlay. The overlay also displays GPU clock speed, temperature, and VRM usage, and has GPU Tweak II controls, so gamers can choose a gaming profile and boost performance with just one click.

**Strix**
ROG Strix is the newest recruit into the Republic of Gamers. A series of specialized gaming gear designed for the rebel in all of us, Strix exemplifies ROG's premier performance, innovative technology, and leading quality, but with its own confident and dynamic attitude. Featuring bold designs and bright colors, this exciting new series possesses a spirit of fierce individualism that charges every gaming experience with thrilling energy. ROG Strix equips players with the necessary speed and agility to dominate their game. A new generation of force has arrived. Join the Republic and experience the power of ROG Strix.

**Specifications:**

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| Specifications | |
|---|---|
| **Product Code** | SC-A1080TiS |
| **Graphics Engine** | NVIDIA GeForce GTX 1080 TI |
| **Bus Standard** | PCI Express 3.0 |
| **OpenGL** | OpenGL 4.5 |
| **Video Memory** | GDDR5X 11GB |
| **Engine Clock** | OC Mode - GPU Boost Clock : 1620 MHz, GPU Base Clock : 1506 MHz |
| | Gaming Mode (Default) - GPU Boost Clock : 1582 MHz, GPU Base Clock : 1480 MHz |
| **CUDA Core** | 3584 |
| **Memory Clock** | 11010 MHz |
| **Memory Interface** | 352-bit |
| **Resolution** | Digital Max Resolution:7680x4320 |

| | |
|---|---|
| **Interface** | DVI Output : Yes x 1 (Native) (DVI-D) |
| | HDMI Output : Yes x 2 (Native) (HDMI 2.0) |
| | Display Port : Yes x 2 (Native) (Regular DP) |
| | HDCP Support : Yes |
| **Accessories** | 1 x Power cable |
| | 1 x ROG Velcro Hook & Loop |
| **Power Connectors** | 2 x 8-pin |
| **Software** | ASUS GPU Tweak II & Driver |
| | Aura(Graphics Card)Utility |
| **Dimensions** | 11.73 " x 5.28 " x 2.07 " Inch |
| | 29.8 x 13.4 x5.25 Centimeter |

## 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/SC-A1080TiS-Asus-ROG-Strix-GeForce-GTX-1080-Ti-11GB-GDDR5X-352bit-Graphics-Card-p-156457.php**

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