

# **TUF-RX6800XT-O16G-GAMING**

# **BUILT TUF**

## **ASUS Innovations**

- Axial-tech fan design has been enhanced with more fan blades and a new rotation scheme.
- Dual ball fan bearings can last up to twice as long as sleeve bearing designs.
- An all-aluminum shroud, reinforced frame, and metal backplate enhance durability.
- MaxContact heat spreader features a super flat surface for improved thermal transfer.
- A 144-hour validation program puts cards through a series of stringent tests to ensure compatibility with the latest games.
- A vented backplate prevents hot air from recirculating through the cooling array.
- GPU Tweak II provides intuitive performance tweaking, thermal controls, and system monitoring.



## **Fresh Shroud**

A new all-aluminum shroud adds a robust flair to TUF builds. The top-side RGB element can be customized with Armoury Crate to sync up with other ASUS components to enable uniform lighting.

## 2.9-slot Design

The heat spreader draws heat up into heatpipes that carry it through a fin stack that fills most of the card's large, 2.9-slot footprint.











#### **Armored Underside**

The underside of the card reveals further improvements. Most of the rear is swathed in a protective metal backplate that prominently features a wide vent. The vent allows hot air to escape towards chassis exhaust fans instead of being recycled back into the GPU cooler. A GPU bracket provides extra stability to the critical connection between die and heat spreader. Stainless steel is used for the I/O bracket to protect ports and provide a more secure mount. And a conveniently placed Dual Bios switch allows customization of the card's default performance profile without software.

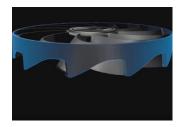


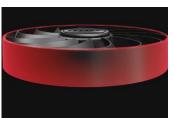
# **Software Suite**

Hardware and software come together to let gamers fully customize and control their gaming experience. GPU Tweak II enables tweaks and monitoring, XSplit offers a robust streaming solution, and wtfast can improve routing to game servers for a more stable gaming connection.

# **Axial-tech Upgrades**

The blade count has been increased on all three fans, with 13 on the center fan and 11 on the auxiliary fans. The barrier ring on the side fans has been slimmed down to allow for more lateral intake and to provide better airflow through the cooling array. The center fan's extra blades and full-height ring provide boosted static pressure to blast air directly onto the GPU heat spreader.



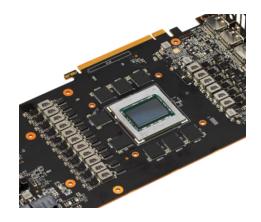


The two side fans feature a slotted barrier ring

Central fan has a fullwidth barrier ring

# **TUF Components**

Robust military-grade capacitors were selected for the card's power design. They and other components are soldered to the PCB using our Auto-Extreme automated manufacturing process. Precise joints and the elimination of human error ensures each graphics card meets our rigorous specifications. To ensure flawless performance when it counts, the cards are subjected to a grueling 144-hour validation trial.





#### **ASUS Features**

# I/O Specifications



#### **OC** edition

TBD MHz GPU boost clock and TBD memory speed in OC mode for outstanding gaming experience.



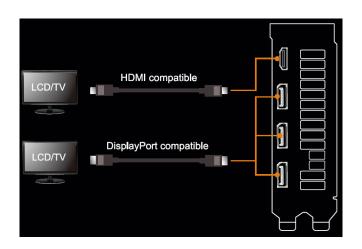
#### 16GB GDDR6 Memory

On-board memory for the best gaming experience & the best resolution.

## **OdB Technology**



An advanced controller brings fans to a standstill below 60 Celsius, letting you enjoy light gaming in relative silence.



## **AMD Features**

# RDNA 2

#### AMD RDNA™ 2 Architecture with Hardware Raytracing

With enhanced compute units, delivering hardware raytracing and variable rate shading, AMD RDNA™ 2 Architecture is the foundation of the next generation of enthusiast gaming platforms from desktops to gaming consoles.



## High Performance 4K Gaming

With enhanced compute units delivering powerhouse performance, 4K gaming is now easily possible at smooth framerates and maximum visual settings.



#### AMD FidelityFX

FidelityFX AMD FidelityFX enables a plethora of lighting, shadow, and reflection effects in the latest games with minimal performance overhead, freeing up your graphics card to power the intense gaming experiences you demand.



## PCI® Express 4.0 Support

Features PCI® Express 4.0 support, with a throughput of 16 GT/s and enables two times the bandwidth compared to PCI® Express 3.0.

#### Radeon™ Anti-Lag

Less lag equals more wins. Radeon Anti-Lag reduces latency, providing ultra-fast response time giving you a dynamic edge over your competition

## **Modern Display Technologies**

- Enjoy high-refresh, tear-free, stutter-free gaming by pairing your AMD Radeon™ graphics card with a certified AMD FreeSync technology-enabled monitor.
- Support for HDMI 2.1 VRR, expands fluid gaming experiences to all HDMI 2.1 VRR enabled displays.
- With modern I/O such as USB-C, power the latest in VR head-mounted displays with just one cable.
- (ES) Equipements Scientifiques SA Département Modules & Systèmes Informatiques 127 rue de Buzenval BP 26 92380 Garches Tél. 01 47 95 99 80 - Fax. 01 47 01 16 22 - e-mail: msi@es-france.com - Site Web: www.es-france.com



# **Specifications Model name** TUF-RX6800XT-O16G-GAMING **Graphics Engine** AMD Radeon™ RX 6800 XT Stream Processors 4608 OpenGL® OpenGL® 4.6 **Engine Clock** TBD Memory Interface 256-bit Video Memory 16GB GDDR6 Memory Speed 16 Gbps **Power Connector** 2 x 8 pin 1 x Native HDMI 2.1 1/0 3 x Native DisplayPort 1.4 **HDCP Compliant** HDCP 2.3 Digital Max. Resolution 7680 x 4320 Maximum Display Support Yes for DirectX® 12 and Vulkan® NVLink/Crossfire Support Recommended PSU 750 W **Bus Standard** PCIE 4.0 1 x TUF certificate of Reliability 1 x ASUS ruler **Package Contents** 1 x Collection card 1 x Speedsetup Manual Software Bundled ASUS GPU Tweak II & Driver (please download all software from the support site) Slot 2.9 slot **Dimension** 12.598" x 5.52" x 2.276" inch Card Size (mm/inch) 32 x 14.02 x 5.78 cm Color Box (mm) 405 x 233 x 88.5 mm Weight 1.718 Single Card (KG) **Product Weight** 2.3 (with packing) (KG) \* Boost Clock is the maximum frequency achievable on the GPU running a bursty workload. Boost clock achievability, frequency, and sustainability will vary based on Note several factors, including but not limited to: thermal conditions and variation in

applications and workloads.



results may vary.

\*\*\* All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets. If you do not use the latest and current specifications of ASUS products, you shall be liable for all loss and damage claimed by third party to ASUS based on false advertising or any other issues caused from using false specifications of ASUS products.













