



ASUS TUF Gaming TUF- RTX3080-O10G- GAMING NVIDIA GeForce RTX 3080 10 GB GDDR6X

Model: 90YV0FB1-M0NM00

Manufacturer: ASUS

EAN: 4718017922760

Product Code: 1026983

R30,193

BUILT TUF

The TUF Gaming GeForce RTX™ 3080 has been stripped down and built back up to provide more robust power and cooling. A new all-metal shroud houses three powerful axial-tech fans that utilize durable dual ball fan bearings. Fan rotation has been optimized for reduced turbulence, and a stop mode brings all three fans to a halt at low temps. Beneath, independent heatsinks for the GPU and memory keep thermals under tight control. Additional features, including TUF components, Auto-

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Extreme Technology, a new GPU bracket, and a backplate vent make the TUF a proper powerhouse. For builders looking for a new “old faithful”, this card has your back.

AXIAL-TECH UPGRADES

TUF Gaming cards leverage our tried-and-true Axial-tech fan design, with three fans working in tandem to satisfy the thermal demands of NVIDIA's new high-octane design. The fans rely on dual ball fan bearings to ensure consistent performance and increased longevity compared to sleeve bearings and other bearing types.

MAXCONTACT

To get heat into the heatsink array efficiently, so that it can be whisked away by the powerful axial-tech fans, we use a manufacturing process that improves the surface smoothness of the heatspreader at the microscopic level. The extra flatness allows for better contact with the die for improved thermal transfer.

2.7-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, 2.7-slot footprint. This generation of TUF Gaming graphics cards also feature a dedicated heatsink for VRAM to keep temperatures well under maximum operating specs.

TUF COMPONENTS

Components are selected for TUF Gaming graphics cards based on their durability and performance. In addition to top-shelf chokes and MOSFETs, capacitors that meet military-grade certification make the TUF stand tall amongst the competition. The components are soldered to the PCB using our advanced Auto-Extreme automated manufacturing process. Smooth joints on the rear of the PCB and the elimination of human errors ensure each graphics card meets our rigorous specifications. Finally, to ensure flawless performance when it counts, the cards are subjected to a grueling 144-hour validation trial.

FUNCTIONAL FRONT

The top-side RGB element can be customized with Armoury Crate and synced with other ASUS

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components to enable uniform lighting. To fulfill the power demands of the GeForce RTX 3080, two 8-pin power connectors are present, along with an onboard circuit that monitors PSU rail voltage. The circuit is fast enough to catch any transients that result in the rail voltage dropping too low. If that happens, a red LED will light up so you know the power supply wasn't able to keep up with the GPU's power draw.

GPU TWEAK II

The ASUS GPU Tweak II utility takes graphics card tuning to the next level. It allows you to tweak critical parameters including GPU core clocks, memory frequency, and voltage settings, with the option to monitor everything in real-time through a customizable on-screen display. Advanced fan control is also included along with many more features to help you get the most out of your graphics card.