



GPU AMD TUF-RX7800XT-O16G-GAMING Fan DATA SHEET

Product Information

EAN	4711387312483
Brand	Asus
SKU	10414834
Manu Part #	TUF-RX7800XT-O16G-GAMING

Packaging data

Package type	Box
Package weight	2.2 kg
Package height	87 mm
Package width	420 mm
Package depth	226 mm



Processor

Maximum resolution	7680 x 4320 pixels
Parallel processing technology support	Not supported
Graphics processor	Radeon RX 7800 XT
CUDA	No
Graphics processor family	AMD
Maximum displays per videocard	4
Stream processors	3840

Memory

Graphics card memory type	GDDR6
Discrete graphics card memory	16 GB
Memory bus	256 bit
Memory bandwidth (max)	19.5 GB/s

Ports & interfaces

Interface type	PCI Express 4.0
HDMI ports quantity	1
HDMI version	2.1
DisplayPorts quantity	3

DisplayPort version	2.1
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Weight & dimensions

Width	150.9 mm
Depth	319.8 mm
Weight	1.48 kg
Height	59.2 mm

Power

Minimum system power supply	750 W
Supplementary power connectors	2x 8-pin

Performance

HDCP	Yes
TV tuner integrated	No
Dual Link DVI	No
DirectX version	No
OpenGL version	4.6
HDCP version	2.3

Product Description

FLYIN' TUF The AMD RDNA™ 3 Architecture elevated by buffed cooling and power delivery to effortlessly churn out frames at 4K resolution and beyond, and backed with an arsenal of rugged reinforcements to cover your six. Lock, load, and dominate with the TUF Gaming Radeon™ RX 7800 XT. AXIAL-TECH UPGRADES Air Superiority Bigger and better. Axial-tech fans spin on dual-ball bearings and have been scaled up to propel 24% more air through the card, setting the stage for lower temperatures, less noise, and higher performance. NEW DIRECTION Well-maintained Formation The two side fans spin counterclockwise to minimize turbulence and maximize air dispersion through the heatsink. All three fans come to a standstill when GPU temps are below 55 Celsius, letting you play less-demanding games or perform light tasks in relative silence. Fans start up again when temps are over 60 Celsius, referencing a speed curve that balances performance and acoustics for work or play. 2.96-SLOT DESIGN Phase That Blaze A generously sized heatsink efficiently soaks up heat from the AMD Radeon™ RX 7800 XT GPU, allowing it to be whisked away by the three Axial-tech fans. MILITARY-GRADE 20K CAPACITORS Resilient Squadron A lineup of capacitors rated to last 20,000 hours at 105 Celsius brings higher temperature and ripple tolerance to the GPU power rail, arming the card for long-term deployment in challenging conditions. METAL EXOSKELETON Suit Up An aluminum shroud and backplate prevent PCB flex and feature large vents to further increase heat dissipation. LOCK, LOAD, AND LET THE PERFORMANCE FLOW The Radeon™ RX 7800 XT gloriously presented on a backdrop of low noise and rugged durability. AUTO-EXTREME TECHNOLOGY RELIABILITY BOOST Auto-Extreme Technology is an automated manufacturing process that sets new standards in the industry by allowing all soldering to be completed in a single pass. This reduces thermal strain on components and avoids the use of harsh cleaning chemicals, resulting in less environmental impact, lower manufacturing power consumption, and a more reliable product overall. AURA SYNC Light 'em Up! Aura-compatible ARGB lighting on the shroud adds a dash of customizable color or functional effects to your build. Pair up with a vast range of compatible system components and coordinate the glow to create a theme that's uniquely you. GRAPHICS CARD



HOLDER Pillar of Support The bundled graphics card holder banishes sag and also contains a screwdriver to help you build. **GPU Tweak III** Monitor, tweak, and tune **ASUS GPU Tweak III** is more intuitive and feature-rich than ever before. A revamped interface offers greater accessibility by integrating core functions into a centralized dashboard, and our Voltage-Frequency tuner has been overhauled to make overclocking even easier. Additional goodies like 0dB fan technology, automatic profile swapping, a fully customizable on-screen display, and logging capabilities ensure that you get the most out of your graphics card. **QuantumCloud** Profit from GPU power **QuantumCloud** is a safe and easy-to-use application that lets you effortlessly earn extra money by sharing your graphics card's computing power. Earnings are accessible through your PayPal or WeChat account, and **QuantumCloud** also supports multiple exchange methods, including Steam. In addition, **QuantumCloud** doesn't collect any personal data, so your privacy stays protected. Get started right away with just one click! **AMD Software** Change the way you game The latest AMD Software unleashes the full potential of your GPU with day-0 drivers optimized for new game releases and a highly customizable gaming experience. **Free 1 Month of Adobe Creative Cloud** Get complimentary membership with the purchase of selected ASUS products.* 20+ Adobe apps Industry-leading apps including Photoshop, Illustrator, InDesign, Spark and XD. **Adobe Fonts** Access thousands of fonts right within your Creative Cloud apps. **Behance** Find inspiration in the world's largest creative community. **Creative Cloud Libraries** Your team can share assets across their apps and devices, so everyone's in sync. **1TB of cloud storage per user** Extra storage makes it easier for your team to share and manage creative assets.