



THE ULTIMATE FORCE

STAY COOL. BE TUF

TUF-GTX1650-4GD6-P-GAMING

-Built TUF

ASUS Exclusive Innovations

- The **ASUS TUF Gaming GeForce® GTX 1650** is built with the breakthrough graphics performance of the award-winning **NVIDIA Turing™ architecture** to supercharge your favorite games.
- **Ultra-fast GDDR6** with over 50% more memory bandwidth for high-speed gaming.
- **GeForce Experience** lets you capture and share videos, screenshots, and livestreams with friends, keep GeForce drivers up to date, and easily optimize your in-game settings.



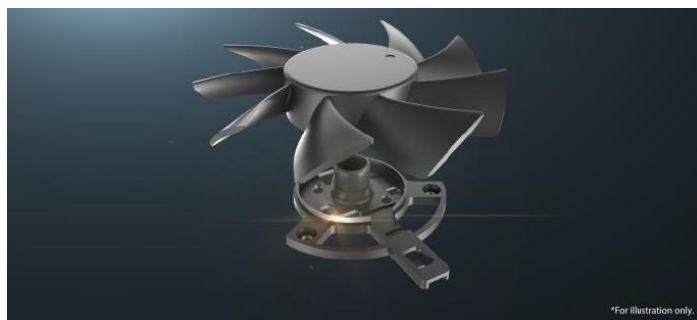
■ Space-Grade Lubricant

A new lubricant allows these sleeve bearings to deliver a quieter acoustic profile than dual ball bearing designs and match their durability.



■ IP5X-Certified Dust Resistance

Dust resistance protects fans from particle ingress for better durability.



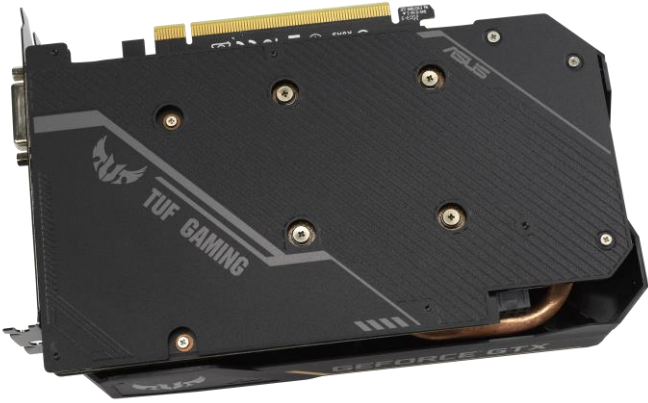
*For illustration only.



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■ Protective Backplate

A rigid backplate prevents PCB flex and trace damage.



■ 144-hour Validation Program

A series of stringent tests ensure compatibility with the latest games.

**144-hour
Validation Program**

■ Stainless Steel Bracket

Harder and more resistant to corrosion.



■ TUF Compatibility Testing

A suite of tests ensure flawless compatibility with TUF gaming motherboards, chassis, and other TUF alliance products.



*The image is for reference only.

■ Software Suite

Tweak performance with GPU Tweak II, stream games with XSplit Gamecaster, and get a better connection to game servers with wtfast.



*Free 14-day premium XSplit Gamecaster.

Six-month wtfast premium license — a USD\$53.95 value — to let user enjoy online gaming that's free from lag, latency and lost packets.



ASUS Features

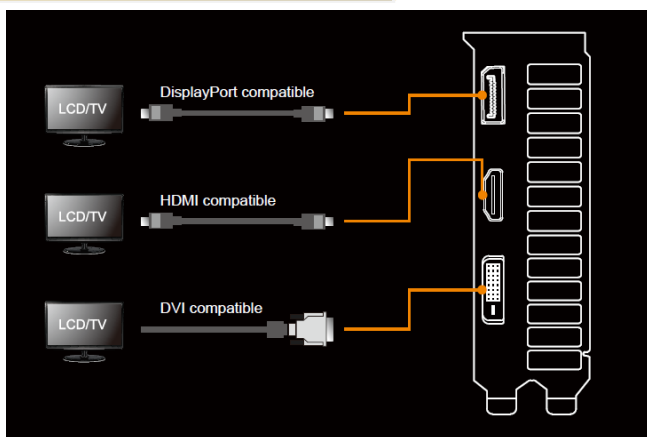
4GB GDDR6
Memory

- **4GB GDDR6 Memory:** On-board memory for the best gaming experience & the best resolution.

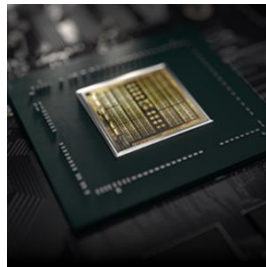


- **Auto-Extreme Technology:** An automated manufacturing process that enhances reliability.

I/O Specifications



Graphics GPU Features



- **TURING SHADERS:** Featuring concurrent execution of floating point and integer operations, adaptive shading technology, and a new unified memory architecture with twice the cache of its predecessor, NVIDIA Turing™ shaders enable awesome performance increases in today's games.



- **AWESOME PERFORMANCE:** Easily upgrade your PC and get game ready with performance that's twice as fast as the GeForce GTX 950 and up to 70% faster than the GTX 1050 in the latest games.



- **GEFORCE EXPERIENCE:** GeForce Experience™ is the essential companion to your GeForce graphics card. Capture and share videos, screenshots, and livestreams with friends, keep your GeForce drivers up to date, and easily optimize your in-game settings.



- **NVIDIA® ANSEL:** This powerful tool lets you take professional-grade screenshots of your games. Now, you can record and share your most brilliant gaming experiences with super-resolution, 360-degree, HDR, and stereoscopic capture modes.



- **MORE CREATING, LESS WAITING:** Dedicated GPU power accelerates the creative apps you use every day. Combined with NVIDIA Creator Ready Drivers, you'll get additional performance and reliability to supercharge your creativity.

Hardware Specification

Model	TUF-GTX1650-4GD6-P-GAMING
Graphics Engine	NVIDIA® GeForce® GTX 1650
CUDA cores	896
NVENC encoder	Turing
OpenGL	OpenGL® 4.6
Engine Clock	OC mode: 1620 MHz(Boost Clock) Gaming mode: 1590 MHz(Boost Clock) / 1410 MHz(Base Clock)
Memory Interface	128 bit
Video Memory	4GB GDDR6
Memory Speed	12 Gbps
Power connectors	1x 6-pin
I/O	1x Native HDMI 2.0b 1x Native DisplayPort 1.4a 1x Native DVI-D
HDCP compliant	HDCP 2.2
Digital Max Resolution	7680 x 4320
Maximum Display Support	3
NVLink / Crossfire Support	N/A
Recommended PSU	300W
Bus Standard	PCIe 3.0
Package Contents	1 x Speedsetup Manual
Software Bundled	ASUS GPU Tweak II & Driver, please download all software from the support site.
Slot	2.3 slot
Dimension	
Card Size (cm/inch)	20.6 x 12.5 x 4.6 cm 8.11 x 4.92 x 1.81 inches
Color Box (mm)	364 x 217 x 66 mm
Weight	
Single Card (KG)	0.631
Product Weight (with packing) (KG)	1
Note	* 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.



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