

## SPECIFICATIONS

| Model Name | GeForce RTX ${ }^{\text {m }} 3060$ VENTUS $2 \mathrm{X} \mathrm{XS} \mathrm{12G} \mathrm{OC}$ |
| :---: | :---: |
| Graphics Processing Unit | NVIDIA ${ }^{\circledR}$ GeForce RTX ${ }^{\text {m }} 3060$ |
| Interface | PCI Express ${ }^{\text {® }}$ Gen 4 |
| Core Clocks | Boost: 1792 MHz |
| CUDA ${ }^{\oplus}$ CORES | 3584 |
| Memory Speed | 15 Gbps |
| Memory | 12GB GDDR6 |
| Memory Bus | 192-bit |
| Output | DisplayPort x 3 (v1.4) / HDMI ${ }^{\text {TM }} \times 1$ (Supports $4 \mathrm{~K} @ 120 \mathrm{~Hz}$ as specified in $\mathrm{HDMI}^{\text {M }}$ 2.1) |
| HDCP Support | Y |
| Power consumption | 170W |
| Power connectors | 8 -pin $\times 1$ |
| Recommended PSU | 550W |
| Card Dimension (mm) | $212 \times 115 \times 43 \mathrm{~mm}$ |
| Weight (Card / Package) | 562g / 892g |
| DirectX Version Support | 12 API |
| OpenGL Version Support | 4.6 |
| Maximum Displays | 4 |
| VR Ready | Y |
| G-SYNC ${ }^{\circledR}$ technology | Y |
| Adaptive Vertical Sync | Y |
| Digital Maximum Resolution | $7680 \times 4320$ |

## CONNECTIONS



## FEATURES



## Dual Fan

Two fans and a huge heatsink ensure a cool and quiet experience for you.


Zero Frozr
The fans completely stop when temperatures are relatively low, eliminating all noise.
 Thermal Padding

An abundance of thermal pads use any chance for additional heat transfer directly from the components.

## Custom PCB

The custom PCB has been engineered with hardened circuits and optimized trace routing for performance and reliability.


## Afterburner

Take full control with the most recognized and widely used graphics card overclocking software in the world.


## MSI Center

The exclusive MSI Center software lets you monitor, tweak and optimize MSI products in real-time.

