



# msi

## MOTHERBOARD X299 TOMAHAWK CONQUER ANY GAME



### SPECIFICATIONS

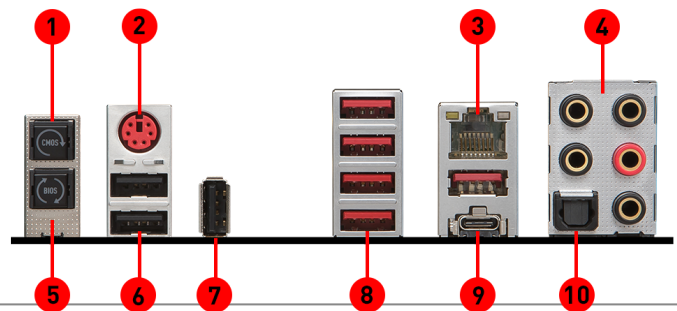
Model Name	X299 TOMAHAWK
Segment	Arsenal GAMING
CPU support	Supports New Intel® Core™ X-series Processor Family
CPU socket	LGA 2066
Chipset	Intel® X299 Chipset
Graphics Interface	4 x PCI-E 3.0 x16 slot 3-way SLI / CrossFire
Memory support	8 DIMMs, Quad Channel DDR4-4133(OC)+, Dual Channel DDR4-4500(OC)+
Expansion slots	2 x PCI-E 3.0 x1 slots
SATA / M.2 / U.2	8x SATA 6Gb.s ports, 2x Turbo M.2 slots, 1x Turbo U.2 connector
Intel® Optane™	Intel® Optane™ Memory Ready
USB 3.1 Gen2	3 x USB 3.1 Gen2 (Type A+C)
USB 3.1 Gen1	8 x USB 3.1 Gen1
USB 2.0	7 x USB 2.0
LAN	Intel® I219-V Gigabit LAN
Audio	7.1 Channel High Definition Audio with S/PDIF
Form Factor	ATX

### FEATURES

1. M.2 SHIELD FROZR: Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.
2. Designed for Extreme Performance: TURBO SOCKET with GAME BOOST, DIGITALL POWER Design
3. Lightning Fast Game experience: TWIN TURBO M.2 with M.2 Shield FROZR and Intel Optane Memory Ready, Turbo U.2, LIGHTNING USB 3.1 GEN2
4. GAMING LAN with LAN Protect, powered by Intel® : The best online gaming experience with lowest latency and bandwidth management
5. AUDIO BOOST 4 with NAHIMIC 2+: Reward your ears with studio grade sound quality for the most immersive gaming experience
6. MULTI-GPU: With STEEL ARMOR PCI-E slots. Supports 3-Way NVIDIA SLI™ & 3-Way AMD Crossfire™
7. SYSTEM SAVER: 3 easy to use options to successfully boot your system again.
8. VR READY and VR BOOST: Best virtual reality game experience without latency, reduces motion sickness. Supports Nahimic VR & TriDef VR.

### REAR CONNECTORS

- |                              |                          |
|------------------------------|--------------------------|
| 1. Clear CMOS Button         | 8. USB 3.1 Gen1          |
| 2. Keyboard / Mouse          | 9. USB 3.1 Gen2 Type-A/C |
| 3. Intel® Gigabit LAN        | 10. Optical S/PDIF-Out   |
| 4. Golden Audio Connectors   |                          |
| 5. BIOS Flashback Button     |                          |
| 6. USB 2.0                   |                          |
| 7. USB 2.0 / BIOS Flashback+ |                          |



For more information check our [Product page](#)  
This datasheet was generated on Dec 7 2017

Product specifications and colors are subject to change without notice and may vary from those shown. Errors and omissions excepted.