



WATER
BLOCKS

EK Selection

FINEST OF EK WATER BLOCKS

EK EXPO

2021



Boost Your PC. In Style.

EK® AIO



EK-AIO Elite

360 D-RGB

The EK-AIO Elite 360 D-RGB is an all-in-one liquid cooling solution for modern AMD and Intel CPUs. It comes with a stronger SPC style pump, a total of 6 fans, and an additional Fan & D-RGB Hub that will simplify the cable management.

The AIO offers all the benefits of a water-cooling solution in a compact, easy to install, and maintenance-free design. It's simple, efficient, and comes with fully customizable (addressable) D-RGB lighting.

EK Liquid Cooling Components

| | |
|-----|------------------------|
| AIO | EK-AIO Elite 360 D-RGB |
|-----|------------------------|





LIGHTNING GEN 4
M.2

Vardar S
EK-AIO

DC12V
120ER
D-RGB

Vardar S
EK-AIO

DC12V
120ER
D-RGB

G.Skill

G.Skill

G.Skill

G.Skill



EK-AIO Elite Aurum

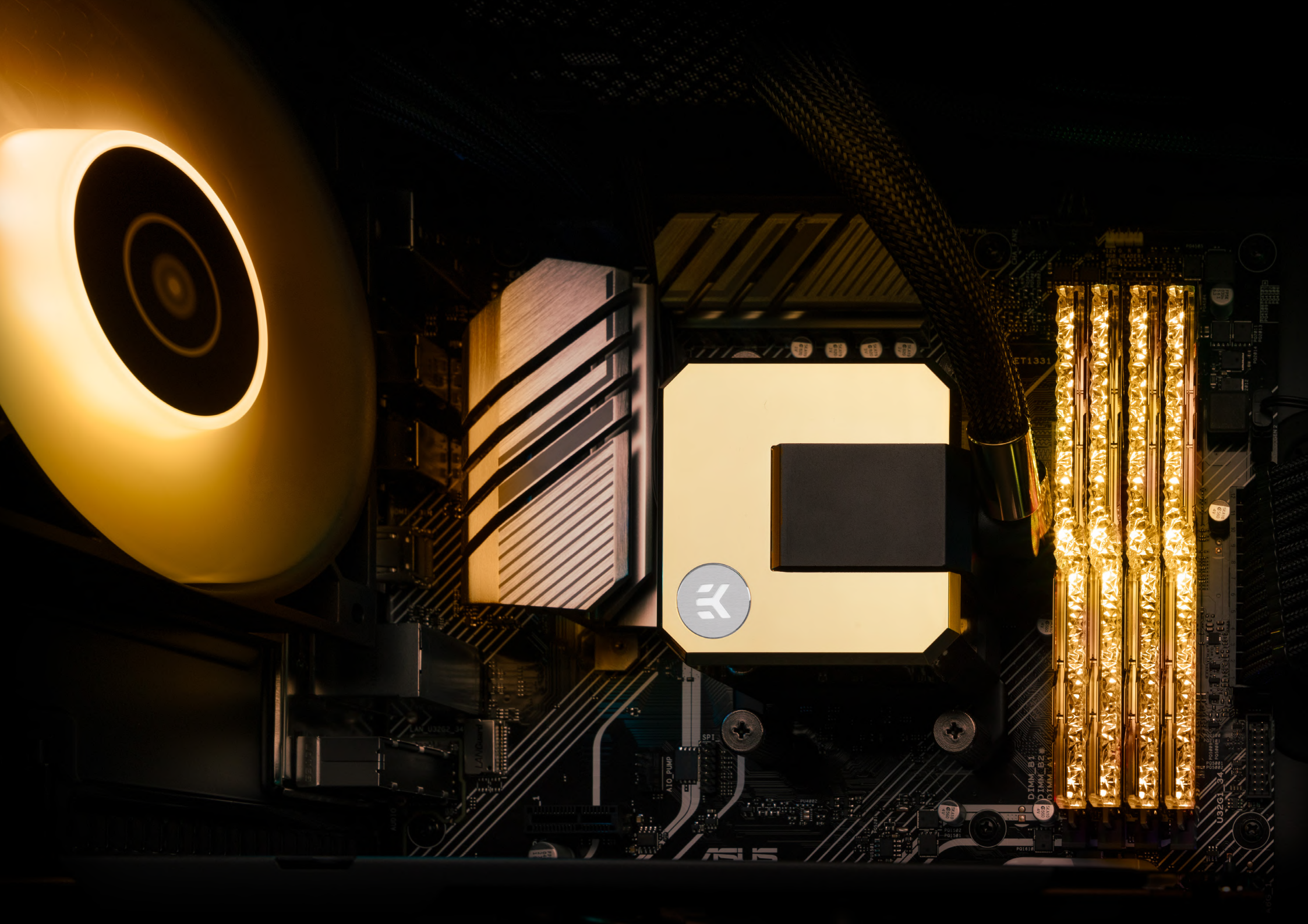
360 D-RGB

This Phanteks Eclipse P300A Mesh Edition case is home to the EK-AIO Elite Aurum 360 D-RGB – a Limited Edition all-in-one liquid cooling solution for modern AMD and Intel CPUs. It is decorated with a golden finish of the entire pump top cover and fitting caps. It comes with a stronger SPC style pump, six fans, and an additional Fan & D-RGB Hub that will simplify the cable management.

This AIO offers all the benefits of a water-cooling solution in a compact, easy to install, and maintenance-free design. It's simple, efficient, and comes with fully customizable (addressable) D-RGB lighting.

EK Liquid Cooling Components

| | |
|-----|------------------------------|
| AIO | EK-AIO Elite Aurum 360 D-RGB |
|-----|------------------------------|



EK-AIO Basic

360



The EK-AIO Basic 360 is an all-black all-in-one liquid cooling solution for modern AMD and Intel CPUs. It comes with a minimalistic black pump cover and three fans.

This AIO offers all the benefits of a water-cooling solution in a compact, easy to install, and maintenance-free design. It's simple, efficient, and comes without RGB lighting. The only noticeable detail is a subtle brushed aluminum-like pattern on the black pump cover.

EK Liquid Cooling Components

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|-----|------------------|
| AIO | EK-AIO Basic 360 |
|-----|------------------|



msi

LIGHTNING GEN M.2

G.SKILL

G.SKILL

G.SKILL

G.SKILL

Custom Loop Liquid Cooling Simplified

EK® Classic



EK Classic

Kits D-RGB

Black Nickel Edition EK Classic liquid cooling kits support enthusiasts willing to dive into custom loop liquid cooling for the first time. These kits feature Black-Nickel finish fittings and two additional fittings, making them expansion-ready for the ASUS EKWB GeForce RTX 30 Series graphics cards.

The Black Nickel Edition kits are available in all four variants – the S240, S360, P240, and P360 – making them suitable for SFF mITX builds and high-performing, ATX size PCs.

The EK-Classic Black Nickel Edition liquid cooling kits have all the parts you need to assemble your first custom loop. They also come with useful building tools, like the Tube Cutter, Foldable Filling Bottle, 4-in-1 Allen Key, and many more. You don't have to worry about compatibility issues, missing something, or being apprehensive about the right amount of fittings or tube length. All products in this kit use 3-pin 5V D-RGB headers and are Aura Sync compatible for full synchronization.

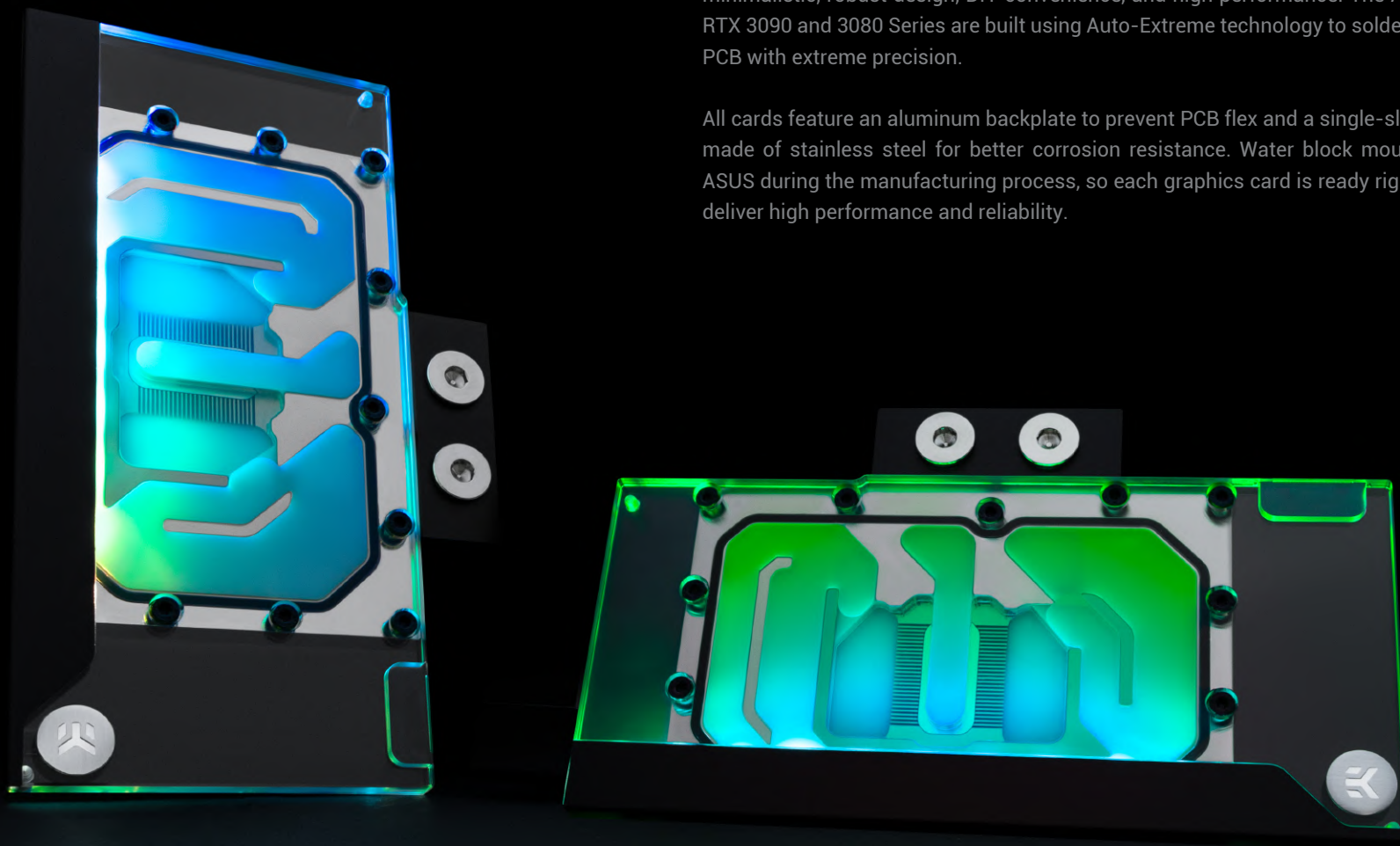


EK-Classic

ASUS Classic RTX 3070/3080/3090

This strategic collaboration between ASUS® and EK brings new GPUs that emphasize minimalistic, robust design, DIY convenience, and high performance. The ASUS EKWB GeForce RTX 3090 and 3080 Series are built using Auto-Extreme technology to solder components to the PCB with extreme precision.

All cards feature an aluminum backplate to prevent PCB flex and a single-slot mounting bracket made of stainless steel for better corrosion resistance. Water block mounting is handled by ASUS during the manufacturing process, so each graphics card is ready right out-of-the-box to deliver high performance and reliability.



For Those Who Want to Stand Out

EK® Quantum



EK® Quantum

AMD Build

A perfect example of AMD® Ryzen™ processors and Radeon™ graphics cards creating the ultimate gaming platform for any gamer, across any setting and any resolution.

This beast hosts an AMD Ryzen 7 5800X and an AMD Radeon RX 6800 XT, while liquid cooling enables them to run like wild stallions, delivering peak performance at all times!

We have teamed up with AMD to bring you a range of unique liquid cooling products – the winning combination of performance and design.

EK Liquid Cooling Components

| | |
|------|---|
| CPU | EK-Quantum Velocity D-RGB - AMD Ryzen Edition |
| GPU | EK-Quantum Vector RX 6800/6900 D-RGB - AMD Edition |
| RES | EK-Quantum Kinetic FLT 120 D5 PWM D-RGB - Special Edition |
| FIT | EK-Quantum Torque Fittings |
| RAD | EK-CoolStream SE 120 |
| RAD | EK-CoolStream XE 120 |
| FAN | EK-Vardar EVO 120ER D-RGB - Special Edition |
| TUBE | EK-Tube ZMT Matte Black Tubing |





AMD
RYZEN



SOCKET1391

TRIDENT

EK® QuantumX

DeltaTEC

Built to benchmark, this extreme cooling solution uses not only one but four EK-QuantumX Delta TECs in their unregulated state. The hot side of each thermoelectric cooling plate is still mated to the original Delta TEC block, cooled by four XE480 radiators with Furious Meltemi fans.

However, on the cold side of each Delta TEC, there is an EK-Quantum Magnitude equipped with a flat coldplate. On the de-lidded 7700k selected for its outright clock speed, there is a fifth Magnitude connected in series with the others and a Strix 3090 with a Vector water block. Both of the loops have dual D5 pumps in series for reliable sub-ambient results.

EK Liquid Cooling Components

| | |
|------|---|
| CPU | EK-QuantumX delta TEC Copper + Nickel [x4] |
| CPU | EK-Quantum Magnitude - 115x Full Nickel [x5] |
| GPU | EK-Quantum Vector Strix RTX 3080/3090 D-RGB |
| RES | EK-Quantum Kinetic TBE 200 D5 PWM D-RGB Acetal [x4] |
| FIT | EK-Quantum Torque - Nickel Fittings |
| RAD | EK-CoolStream XE 480 [x4] |
| FAN | EK-Furious Meltemi 120 [x16] |
| TUBE | EK-Tube ZMT Matte Black Tubing |



EK® Quantum Build

Xtreme

An iconic build to display some of the most important tech achievements of the past year. The 30 Series Founders Edition GPU water block is our most complex GPU cooling solution. The intricate design responds sympathetically to the unique PCB it was created for. Rather than distorting an existing design to hide its unconventional aspects, the FE Special Edition was built to celebrate and reveal them.

The Z490 Aorus Xtreme monoblock is the first EK Momentum series monoblock that utilizes the award-winning EK Magnitude CPU water block cooling engine. The entire CPU block part of this multiblock connects to special nickel-plated barb push-in fittings located on the VRM block, as it latches to the barb fittings.

EK Liquid Cooling Components

| | |
|-----|---|
| CPU | EK-Quantum Momentum Aorus Z490 Xtreme D-RGB - Plexi |
| GPU | EK-Quantum Vector FE RTX 3080 D-RGB - Black Special Edition |
| GPU | EK-Loop Vertical GPU Holder - Shifted |
| RES | EK-Quantum Reflection PC-O11D XL D5 PWM D-RGB - Plexi |
| FIT | EK-Quantum Torque - Nickel |
| RAD | EK-CoolStream XE 360 |
| RAD | EK-CoolStream SE 360 |
| FAN | EK-Vardar EVO 120ER D-RGB |





EK® Quantum

EK Concept Case - Desk/Wall Mount

This is a case-specific external cooling solution - the first of its kind on the market, designed for the Lian Li O11 Dynamic case. If you are one of those who are frequently upgrading their PC with the latest hardware, you might find yourself in need of more cooling power. New CPUs and GPUs are just increasing in core count and power, which means more cooling is more than welcome.

Our external cooling solution seamlessly integrates with the case, using the stock case feet from the O11, thus providing an aesthetically unified external cooling solution. The unit has a built-in D5 and a small distribution plate that channels the coolant between the two radiators that can be mounted inside. A blocking plate for the pump will be an option for those who already have a pump inside their case.

EK Liquid Cooling Components

| | |
|-----|---|
| CPU | ASUS ROG Maximus XII Extreme Glacial |
| GPU | EK-Quantum Vector RE RTX 3080/3090 D-RGB - Nickel + Plexi |
| GPU | EK-Quantum Vector RE RTX 3080/3090 Active Backplate D-RGB |
| RES | EK-Quantum Kinetic FLT 360 D5 PWM D-RGB - Plex |
| FIT | EK-Quantum Torque - Nickel + Satin Titanium Fittings |
| RAD | EK-CoolStream PE 360 |
| FAN | EK-Vardar EVO 120ER D-RGB |



EK® Quantum Velocity

D-RGB - AMD Ryzen Edition

EK-Quantum Vector RX 6800/6900 D-RGB - AMD Radeon Edition is a high-performance full-cover water block designed for the latest generation AMD® Radeon™ graphics cards. What makes this Special Edition water block unique is the black acetal top with aesthetic side-slopes that mimic the new Radeon RX 6000 series factory cooler. Its top also features a screwless, ultra-clean design, with the central Radeon logo backed up by a dense addressable D-RGB LED strip.



EK® Quantum Vector

RX 6800/6900 D-RGB - AMD Radeon Edition

EK-Quantum Velocity D-RGB - AMD Ryzen Edition is a Special Edition premium CPU water block for AMD® Ryzen™ processors. This AM4-specific water block is an evolution of the Velocity series that embeds the 5th generation of the award-winning EK CPU water block cooling engine. It features a superior design that focuses flow over the Ryzen chiplets improving cooling over the cores. The water block boasts a 6mm thick aluminum mounting plate, gently kissed by a subtle D-RGB side glow effect surrounding the entire water block top.



EK® Quantum Reaction

AIO RX 6800/6900 D-RGB P240 - AMD Radeon Edition

The EK-Quantum Reaction AIO RX 6800/6900 D-RGB P240 - AMD Radeon Edition is a pre-filled radiator-pump combo unit. It features a high-fin density EK-CoolStream radiator, high-static pressure EK-Vardar EVO 120ER D-RGB - Special Edition fans, and a high-quality custom liquid cooling grade SPC water pump. It sets the foundation for efficient and silent PC cooling combined with the EK-Quantum Vector RX 6800/6900 D-RGB - AMD Radeon Edition high-performance full-cover water block.



EK® Quantum Power Kit

RX 6800/6900 D-RGB P360 - AMD Edition

This AMD Edition liquid cooling kit contains custom-made EK parts designed to amplify your AMD experience – it is the ultimate enthusiast gamer kit.

The AMD Edition Velocity CPU and Vector GPU block are both included, together with custom-made fans, custom-assembled Torque fittings, and a custom-made FLT 120 D5 combo unit. All of that is accompanied by other goodies that make up this kit – the radiator, angled adapter fittings, matte black ZMT tubing, a bottle of red coolant concentrate, and everything else that ensures an epic loop building experience.



EK® Quantum Torque

Fittings

Choosing the right fittings and tubing is almost equally important as choosing any other component for your liquid cooling loop. And our EK Quantum Torque Lineup has a vast jaw-dropping selection!

We have developed brand new EK-Quantum Torque 90° and 45° FF adapter fittings! Tight bends don't have to be tight bends anymore! Using an FF angled adapter fitting means eliminating the radius of the bend, and therefore the possibility to make bends without actual bending!

Another essential novelty is the drain valve. It has a cap to keep it nice and clean in your build, and it is operated with a simple sliding movement for opening and closing. It's smaller than the old ball valve, and it has one male thread to be directly installed anywhere, without the need for additional adapters.

We also have three new types of Torque-style plugs. We have some small ones, which are a bit taller to allow for a solid grip, and the bigger ones that are stylish and flat. The third kind is also flat and has an Allen key socket. This one also comes with an EK badge, which can be used to cover up the socket.

There's also a simple T-style splitter, with many other Torque products just around the corner!

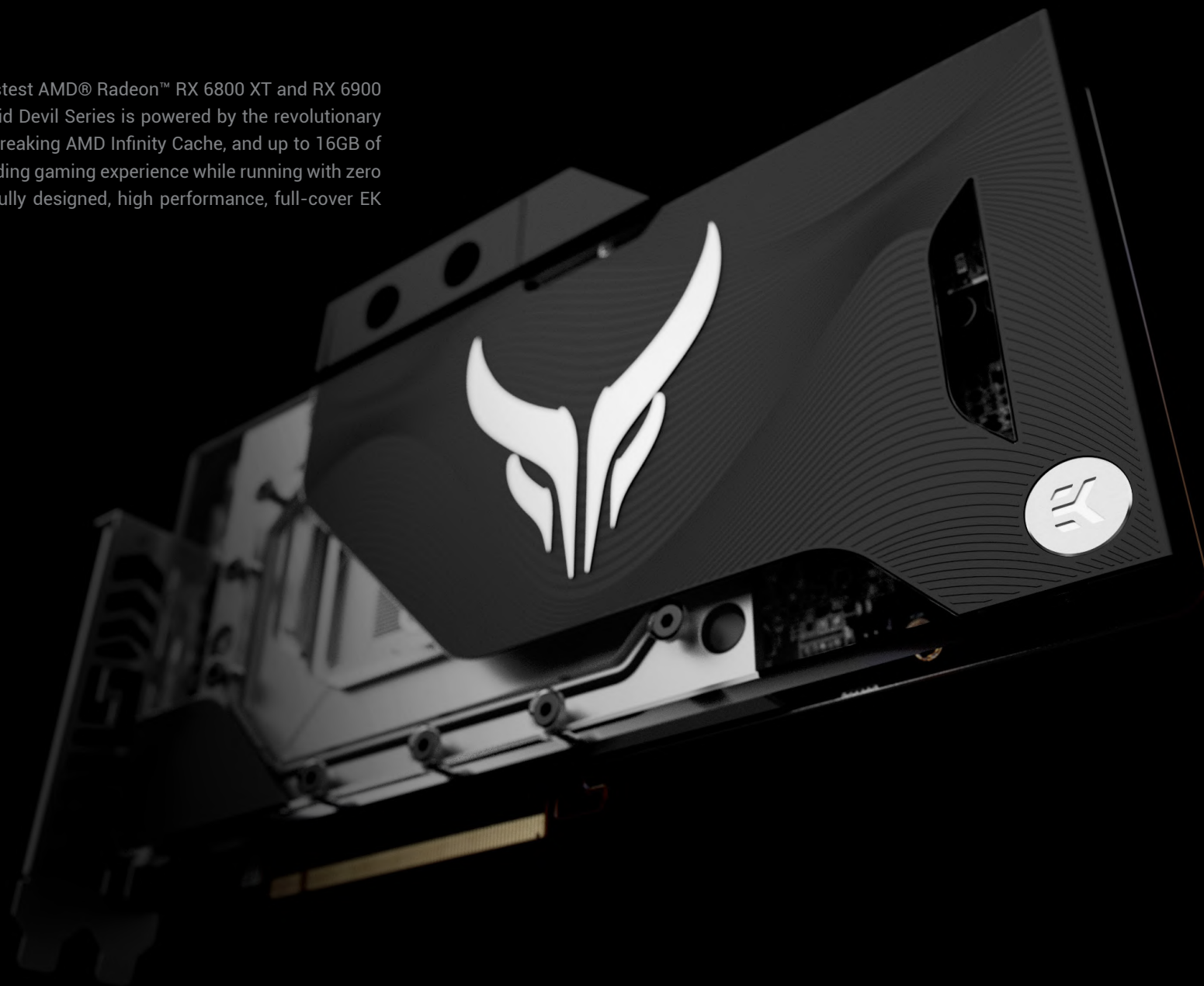


Unlocking the Technology

EK® Quantum

PowerColor Liquid Devil

PowerColor® and EK teamed up to create the fastest AMD® Radeon™ RX 6800 XT and RX 6900 XT models on the market. New PowerColor Liquid Devil Series is powered by the revolutionary AMD RDNA™ 2 with Raytracing support, groundbreaking AMD Infinity Cache, and up to 16GB of dedicated GDDR6 memory. It delivers an outstanding gaming experience while running with zero noise at the lowest temperatures with a beautifully designed, high performance, full-cover EK water block.



EK® Quantum Vector

FE RTX 3080 D-RGB

Developing a halo product for the Vector family of GPU water blocks meant the FE Special Edition met a new set of challenges. Built as an aftermarket product for Founders Edition RTX™ 3080 and RTX™ 3090 graphics cards, this water block had to overcome the irregular PCB shapes and unorthodox assembly. However, as the direct result of these challenges, several design opportunities were leveraged to create a totally unique and unprecedented GPU water block. A solid aluminum exoskeleton forms a cradle in which the cooling and lighting are embedded, revealing only the most beautiful elements.

As the most complex GPU cooling solution, this intricate design responds sympathetically to the unique PCB it was created for. Rather than distorting an existing design to hide its unconventional aspects, the FE Special Edition was built to celebrate and reveal them. A modular terminal block by which the tubing is connected cuts inside rather than protruding outwards, deeply nestled inside the "V" shape. This has significantly reduced the overall length and width of the water block, allowing it to be compatible with some of the smallest cases on the market.



EK® Quantum Vector

RTX 30 Series Vector Water Blocks

Since September 2020, we have launched more than 30 individual Quantum series GPU water blocks. That is one GPU water block every four days! You could say that we are really broadening our water block portfolio, but we are still not done with the expansion!



EK® Quantum Vector

RE RTX 3080/3090 Active Backplate D-RGB

This is the first, true, active backplate cooling solution, that is integrated seamlessly so it doesn't require awkward soft tubing connections. Lowering temperatures on all electrical components by cooling the backside of the GPU will prolong their lifespan and make them more efficient, causing less power leaks.

With the newest power-hungry GPUs that have their components densely packed, every additional cooling is very welcome since we all know that lower temperatures will also allow higher overlocks and more GPU boost. With flagship GPUs, like the RTX 3090, which has video memory placed on the backside of the PCB, it's even more logical why additional cooling is needed.

This solution will be available in the Nickel + Plexi version with addressable D-RGB, and a stealthy, all-black version with a black backplate and durable POM Acetal cover.



ASUS

ROG Maximus XII Extreme Glacial

Tuned and created in cooperation with the cooling industry leader, EK, the ROG Maximus XII Extreme Glacial implements a complete motherboard cooling solution.

The base of this Ultrablock is made of 99.99% pure electrolytic copper. The combination of hardware, integrated liquid cooling, and software features enables the user to extract maximum performance out of next-gen Intel® Core processor. Actively cooling the VRM also opens the door to higher and more stable overclocking capabilities.



Unlocking the Technology

EK® Quantum

MSI MPG Z590 Carbon EK X

The MSI MPG Z590 CARBON EK X is a next-generation liquid-cooled motherboard. It is based on the latest Z590 chipset from Intel®, supporting Intel's next Gen Core processors.

The product's ideology hasn't changed – it is meant to pack quality components, offer ample connectivity for gamers, and efficient cooling for those high boost clocks!



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