



# Swiftech 240 Drive X3 AIO

\$139.95

## Product Images



## Short Description

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Also, please note that all Swiftech products including a Liquid Cooling radiator released since Q3-2018 (July 2018) are now following a new sizing and naming convention. The number in the product name now is the result of the multiplication of the number of fans (per side) and the size of the fan. For example, our dual 120 mm AIO that used to be named "H220" are now named "H240".

## Features

- At the time of the release, two radiator sizes are available for dual 120mm fans and triple 120mm fans.
- Swiftech is also releasing a new 120 mm fan design, that features:
  - Improved static pressure and maximum discharge
  - Lower operation noise level
  - Swiftech IRIS compatible addressable RGB's built-into the frame of the fans
- A fully redesigned patented radiator/reservoir/pump combo featuring a tempered DIY grade glass reservoir, and a leak-proof acrylic-free manifold design.
- The new CPU waterblock, the Apogee™ SKF "LT", which is based on the award winning Apogee SKF, Swiftech's new flagship waterblock released in 2017. The apogee SKF "LT" features the exact same Skived Fins thermal engine. The waterblock housing features an acrylic-free design and 6x Swiftech IRIS addressable LED's for endless customization. The retention hardware has been enhanced for an even easier and trouble-free installation, and it is compatible with all current desktop processors from Intel® and AMD
- A clear departure from all other AIO's: the use of maintenance free Mayhem ultra-clear tubing, providing the overall custom looks and feel of the product: now, you can clearly see that your system is liquid cooled!
- A new PWM and RGB controller: Swiftech IRIS ECO V2, which now features three customizable lighting effects allowing users to select effects and customize color and brightness.
- Along with the inclusion of red, blue and green Mayhem color dyes, Swiftech is also proud to announce that all X3 AIO CPU coolers ship with the best coolant on the market: the Mayhem Pastel White Nanofluid Coolant.

"From virtually silent to comfortable audible noise levels"	Our design objective for all Swiftech products is always to minimize the operating noise while preserving high thermal performance characteristics. At its lowest speed settings, our Drive X3 AIO cooling systems are virtually inaudible. At its maximum speed, it remains within comfortable audible noise levels.
"Plug-and-Play"	With pre-installed fans, and the new Apogee™ SKF "LT" mounting system, the Drive X3 AIO's are probably the easiest AIO liquid cooling CPU Coolers to install bar none, and are even easier to setup than many high-end air coolers.
"Superior Thermal Performance"	Thanks to Apogee SKF Thermal Engine and the copper radiator, high static pressure Helix™ IRIS 120 mm fans, more powerful DC pump than any other AIO on the market, the Drive X3 AIO coolers deliver superior thermal performance to any comparably sized system on the market.

<p>"Expandable/Customizable"</p>	<p>The Swiftech Drive X series, including the new X3 series differentiate themselves from other AIO's by the ability to be fully customized, and to support additional liquid cooled components such as graphics cards, and/or additional radiator(s).</p> <ul style="list-style-type: none"> <li>• From a practical standpoint, this is possible thanks to: <ul style="list-style-type: none"> <li>- The presence of a reservoir including a fill-port built into the radiator so that the system can be easily emptied or refilled by the user at will,</li> <li>- Enthusiast grade 5/8" OD (3/8" ID) clear PVC tubing fastened to swivel fittings with an elegant clamping system that users can easily remove and safely re-install.</li> <li>- The factory fittings can be replaced by aftermarket G1/4 compatible offerings of the user's choice.</li> </ul> </li> <li>• From a thermal performance standpoint, this is made possible by: <ul style="list-style-type: none"> <li>- The high thermal capacity of the dual 120mm copper and brass radiator,</li> <li>- The powerful high-pressure pump capable of driving sufficient flow to cool multiple devices in the loop,</li> <li>- The award winning flagship Apogee™ SKF series waterblock.</li> </ul> </li> </ul>
<p>"Automatic speed and lighting control right out of the box"</p>	<p>Speed control of fan and pump are PWM compliant, allowing the Drive X3 series to be recognized and controlled by the motherboard depending on CPU temperature just like any standard CPU cooler. The system includes a PWM controller allowing connection of up to 4 PWM devices (2 to 3 fans depending on model + the pump) which can then be controlled as one by the motherboard.</p> <p>For lighting control, the IRIS ECO controller also includes 3 more connectors for Swiftech IRIS compatible products, a two-pin connector that can be used for remote control (utilizing the mostly unused reset switch for instance), and finally a small button to change both colors and intensity of the LED's.</p>
<p>"Maintenance-free"</p>	<p>As shipped from our factory and installed as directed, the Drive X3 AIO CPU coolers require no maintenance for about 3 years. If upgraded by the user, the interval of time between refills will depend on how users implement their customized loop.</p>
<p>"Installation in any orientation"</p>	<p>The radiator can be installed horizontally or vertically - right side up or upside down in both configurations: in other words, horizontally with the pump/reservoir facing down (top of the case), horizontally with the pump/reservoir facing up (bottom of the case - * see important note below), vertically with the pump/reservoir at top (back of the case), vertically with the pump/reservoir at bottom (front of the case), or it can also be installed on the side.</p> <p>* Important note: when installed horizontally with the pump/reservoir facing up, the amount of space available for air trap is reduced, therefore necessitating to keep the reservoir always full of coolant, particularly at high pump speed, in order to avoid air getting getting sucked back into the pump. Because of this limitation, the 3 year no-maintenance representation stated above cannot be ascertained in such configuration.</p>
<p>"Best Case Compatibility"</p>	<p>Thanks to the location of the integrated pump &amp; reservoir, the overall radiator length is in fact the shortest in its class of all AIO's on the market. This will help to fit the Drive X3 AIO coolers in cases where most other AIO's would not.</p>

"Reliability"	Both fans and pump are rated for a 60,000 MTBF (Meantime Between Failures)
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## Specifications

Radiator with patent pending integrated pump and reservoir (1 each)	
Radiator body	
Material	Brass tubes, louvered copper fins
Body dimensions	127 mm x 254 mm x 28 mm (H240X3) / 127 mm x 375 mm x 28 mm (H360X3) /
Fill-port thread class	G 1/4
Barb fittings	Integrated swivel 90° elbows, 3/8" (10mm) OD
Installation hardware	<ul style="list-style-type: none"> <li>• Standard: (8) coarse thread fans screws</li> <li>• Alternate: (8) 6-32 x 1 3/16 (30mm) Philips screws</li> </ul>
Lighting type	Swiftech IRIS compatible ALED
Reservoir	
Material	Tempered Glass
Capacity	70 ml
Lighting type	Swiftech IRIS compatible ALED
Pump	
Pump speed control	PWM
Pump Speed range	1200 ~ 3000 RPM
Pump nominal voltage	12 VDC
Pump nominal power	6W
Max. Static Pressure	2.8 mH <sub>2</sub> O
Max. discharge	11 l/mn
Redundant fail safe	<ul style="list-style-type: none"> <li>• Software current limiting fail-safe and</li> <li>• Hardware shutoff built-into the pump power wires. The hardware fail safe is only triggered in case of a firmware malfunction.</li> </ul>
Pump Bearing type	Ceramic shaft, PTFE bearing
Pump Power connector	SATA
Pump RPM & PWM connector	Mini 4-pin

Pump MTBF	60,000 hours
ROHS	Compliant
Helix™ IRIS Fan	
Dimensions	120 mm x 120 mm x 25 mm
Speed control	PWM
Speed range	900+/- 25% ~ 1800+/- 10% RPM
Airflow range	24 ~ 60 CFM
Static pressure range	0.61 ~ 2.35 mmH <sub>2</sub> O
Noise level range	<16 ~ <32 dB/A
Nominal Voltage	12 v
Nominal current	0.2 A
Bearing Type	Z-axis
Connector	Mini 4-pin
MTBF	60,000 hours
ROHS	Compliant
Apogee™ SKF "LT" Waterblock	
Housing material	Acetal
Base plate material	C110 copper
Cooling engine	0.125mm x 0.125 micro-fin array
Barb fittings	Swivel elbows, 3/8" (10mm) OD
Port thread	G1/4 standard
Installation hardware & processor + socket compatibility	<ul style="list-style-type: none"> <li>• For Intel LGA 1150/51/55/56 <ul style="list-style-type: none"> <li>- M4 to M3 Standoffs + Back-plate</li> </ul> </li> <li>• For Intel LGA 2011 <ul style="list-style-type: none"> <li>- (4) Spring loaded screws with M4 thread</li> </ul> </li> <li>• For AMD AM2, AM3, FM1, FM2, 93, AM4, TR4 <ul style="list-style-type: none"> <li>- (2) Pre-assembled brackets &amp; spring loaded screws</li> <li>- Bracket installation screws</li> </ul> </li> </ul>
Lighting type	Swiftech IRIS compatible ALED
Tubing & Coolant	
Material	Mayhem non-plasticizing PVC tubing
Color	Clear
Dimensions	5/8" x 3/8" (16/10mm)

Coolant	Pre-filled with Mayhem's non-toxic Pastel Nanofluid Coolant
Clamps (4 each)	
Material	Black anodized aluminum
IRIS ECO V2 Controller (1 each)	
PWM Ports	4
RPM signal port	Channel 1
ALED connectors	3
2 pin connector	1
Power connector	SATA
PWM/RPM connector	Mini 4-pin
Installation hardware	Peel-off sticker, mounting screws & nuts
ROHS	Compliant
Tim-Mate 2, 1g syringe thermal compound	
Quick Installation Guide	

## Additional Information

Brand	Swiftech
SKU	H240X3
Weight	14.0000
Block CPU Type	Intel/AMD
Vga	AMD Radeon RX 6800XT Nitro+
Radiator Size	240 (2 x 120mm)
Radiator Thickness	28mm

