

EVGA Cools GeForce Cards With iCX

Written by Marco Attard
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EVGA is taking the issue of PC overheating very seriously with iCX-- a graphics card cooling system using 10 sensors linked to independent microcontrollers to ensure fine-tuned control over card temperature.



The launch comes after November 2016 reports of EVGA GeForce GTX 1080, 1070 and 1060 graphics cards catching fire after getting a bit too hot to handle. The company quickly released a patch to resolve the issue, but the iCX system takes cooling a step further.

As the company puts it, iCX involves the embedding of 9 thermal sensors into the card circuit board. The sensors pick up extra heat and direct the asynchronous fans to cool the card down accordingly. Users also get "interactive cooling" through a "thermal LED display system," allowing them to check the sensors in real time.

In a final step in the battle against overheating iCX cards have a different design giving the GPU as much space as possible to expel heat. This involves a die-cast "form-fitted" baseplate and backplate with direct contact with components for improved heat transfer, as well as a bigger backplate for more heat dissipation, a heatsink with half-open and L-shaped fins for increased surface area, and an "EVGA exclusive fuse" for protection while overclocking.

The iCX system will be found in ten EVGA GeForce cards, including the flagship GeForce GTX 1080 FTW2.

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