

Karamba Security's SafeCAN Awarded 2018 Cybersecurity Best Product by Auto Connected Car News' Tech CARS in Landslide Vote

HOD HASHARON, Israel and BLOOMFIELD HILLS, Mich. – February 22, 2018 – [Karamba Security](#), a world-leading provider of end-to-end cybersecurity prevention solutions for connected and autonomous vehicles, was honored with the [AUTO Connected CAR News' Tech CARS Award](#) for 2018 Best Automotive Cybersecurity Solution for its breakthrough security software, [SafeCAN](#). Karamba received a landslide victory with 47% of the winning vote.

The AUTO Connected CAR News' Tech Awards is a people's choice award voted on by industry leaders keeping pace with industry trends as a means to recognize innovators who are working to make driving safer, more secure, easier and overall less worrisome.

Karamba's entry featured its newly-released security software, SafeCAN, an industry first for authenticating and hardening in-car networks with zero network overhead, to secure command communication between Electronic Control Units (ECUs).

Karamba Security achieved the winning vote as SafeCAN addresses the increasing threat of invasive automotive cyberattacks through the automotive hacking of in-car networks, particularly infiltration via third party dongles, over the air (OTA) updates and the CAN bus.

"To protect the car's safety systems from hackers, the industry is demanding the capability to authenticate CAN bus traffic. However, the biggest barrier to overcome is CAN network saturation," said Ami Dotan, Karamba Security CEO. "Traditional authentication technologies require additional network throughput, which is unacceptable in the CAN. Karamba's patent-pending SafeCAN software offers zero network overhead for ECUs that should be authenticated."

SafeCAN ensures that safety systems will not accept commands from un-authenticated sources, and addresses OEMs' concerns of being held liable even if attacks originate from compromised third party dongles, physical hacks, or hacked OTA in-vehicle updates. The technology is also forward-compatible with CAN-FD, Flexray, Ethernet and networks still to come.

"We are honored to be recognized by AUTO Connected Car News in the category of Cybersecurity Best Product said Dotan. "We continually respond to the industry demands of carmakers and this award is a further indication that we are listening and solving real market problems."

Prior to Karamba's release of SafeCAN, carmakers lacked technology for authenticated in-car communications capable of protecting against malicious messages sent by unauthorized ECUs or third-party dongles. Without in-car authentication ECUs experience exposure vulnerabilities within a car's safety system, allowing for car cyberattacks or over-the-air (OTA) in-vehicle

updates. SafeCAN prevents these attacks by allowing vehicle manufacturers to seamlessly harden the networks for more secure car safety systems, without the need for added network packets or changes in network protocols.

Until now, there were no zero-overhead, preventive solutions for in-network automotive hacking, as well as a lack of industry confidence in achievable solutions. Karamba and SafeCAN offer total end-to-end network safety with zero false positives, and zero network overhead, reducing the risk of lost lives.

“We are proud to be among the best in our industry and to have the vote of confidence that our solutions meet and exceed the necessary measures to keep cyberattacks out of in-vehicle safety systems. We strive to achieve safety above all through automotive cyber security best practices and this award solidifies our efforts to promote the best automobile safety experience and ultimately guarantee a better driving experience for all,” Dotan added.

In addition to protection against physical attacks, SafeCAN allows for secure OTA updates from the cloud to any ECU within the car’s safety system. The hardened network stops cyberattacks on OTA products utilizing secure channels direct from the OEM cloud to the in-car primary ECU, and ultimately the in-vehicle safety systems, by denying authentication and requested changes to the ECU.

The AUTO Connected CAR News’ Tech Awards annual awards recognize leaders in fifteen categories representative of the total driving experience and their solutions to real market problems. The 2018 results of the autonomous driving philosophy, cybersecurity, battery and LiDAR categories in which Karamba was featured reveal the increasingly active role technology plays in connected and autonomous cars in future markets, as well as the critical need for preventative cybersecurity solutions.

For more information on Karamba Security, their innovative automotive cybersecurity solutions and SafeCAN, visit <https://karambasecurity.com/>

To learn more about the AUTO Connected CAR News’ Tech CARS Awards winners, visit www.autoconnectedcar.com/.

About Karamba Security

Karamba Security provides industry-leading cybersecurity solutions for connected and autonomous vehicles. Its autonomous security software products, including Carwall and SafeCAN, provide end-to-end in-vehicle security by preventing cyberattacks with zero false positives and by authenticating communications, including OTA updates, with zero network overhead. Advantages include no connectivity requirements, no updates for Karamba software, and negligible performance impact. Karamba is engaged with 16 OEM and tier-1 customers, and in one year, received three rounds of funding with a total investment of \$17 million. The company was recognized in 2017 with TU-Automotive’s Best Cybersecurity Product/Service and the North American Frost & Sullivan Award for Automotive New Product Innovation. More information is available at www.karambasecurity.com.