



Arteris IP FlexNoC® & Resilience Package Licensed by Semidrive for ISO 26262-Compliant Autonomous Driving Chips

May 7, 2019

Network-on-Chip technology enables functional safety and performance for highly complex automotive systems-on-chip (SoCs)

CAMPBELL, Calif. – May 7, 2019– Arteris IP, the world’s leading supplier of innovative, silicon-proven [network-on-chip \(NoC\) interconnect](#) intellectual property, today announced that Semidrive has licensed the [Arteris IP FlexNoC Interconnect](#) and the accompanying [FlexNoC Resilience Package](#) for use in chips that are the brains in automotive autonomous driving and advanced driver assistance systems (ADAS).

"Arteris IP offers us technology and expertise in both network-on-chip interconnects and functional safety. The combination of FlexNoC and the Resilience Package enables us to develop chips that not only meet our demanding requirements for performance, power consumption and die area, but also incorporate on-chip functional safety mechanisms that help us achieve ISO 26262 certification for automotive functional safety."

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Maggie Qiu, CEO, **Semidrive**

Semidrive is a privately funded semiconductor company focusing on automotive ADAS and autonomous driving applications based in Nanjing, China, with research and development teams in Nanjing and Shanghai.

"Arteris IP offers us technology and expertise in both network-on-chip interconnects and functional safety," said Maggie Qiu, CEO at Semidrive. "The combination of FlexNoC and the Resilience Package enables us to develop chips that not only meet our demanding requirements for performance, power consumption and die area, but also incorporate on-chip functional safety mechanisms that help us achieve ISO 26262 certification for automotive functional safety."

"We are excited that Semidrive has chosen Arteris IP FlexNoC with the Resilience Package as the on-chip communications backbone of a new generation of autonomous driving and ADAS chips," said K. Charles Janac, President and CEO of Arteris IP. "Semidrive's choice of Arteris IP is proof of our company's expertise in enabling highly complex ISO 26262-compliant systems-on-chip."

About Semidrive

Semidrive is a privately funded semiconductor company focusing on automotive applications including ADAS and autonomous driving. Semidrive is based in Nanjing, with a R&D team both in Nanjing and Shanghai. It is dedicated to work with our customers and partners to make cars smarter, safer and connected.

About Arteris IP

Arteris IP provides [network-on-chip \(NoC\) interconnect IP](#) to accelerate system-on-chip (SoC) semiconductor assembly for a wide range of applications from AI to automobiles, mobile phones, IoT, cameras, SSD controllers, and servers for customers such as [Baidu](#), [Mobileye](#), [Samsung](#), [Huawei / HiSilicon](#), [Toshiba](#) and [NXP](#). Arteris IP products include the [Ncore](#) cache coherent and [FlexNoC](#) non-coherent interconnect IP, the [CodaCache](#) standalone last level cache, and optional [Resilience Package \(ISO 26262 functional safety\)](#), [FlexNoC AI Package](#), and [PIANO automated timing closure](#) capabilities. Customer results obtained by using Arteris IP products include lower power, higher performance, more efficient design reuse and faster SoC development, leading to lower development and production costs. For more information, visit www.arteris.com or find us on LinkedIn at <https://www.linkedin.com/company/arteris>.

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