Cypress Introduces USB-C Controller for High-Volume Segments in PC Market

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New Cypress ACG1F Controller Brings USB-C Performance and Versatility to Mainstream and Entry-Level Notebook and Desktop PCs

SAN JOSE, Calif.--(BUSINESS WIRE)--Oct. 9, 2019-- Cypress Semiconductor Corp. (NASDAQ: CY), today announced its latest USB-C controller, ACG1F. Designed for mainstream and entry-level notebooks and desktop PCs, ACG1F is a cost-effective single-port USB-C controller used for systems which need to convert legacy USB Type-A ports to USB Type-C ports.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20191009005050/en/

The Cypress ACG1F brings USB-C performance and versatility to entry-level PCs and notebooks (Photo: Business Wire)

ACG1F integrates a VBUS load switch for power and fault protection, enabling a more robust solution to accelerate USB-C adoption in PCs. ACG1F features a 32-bit Arm® Cortex®-M0 processor with 16-KB flash for USB-C programmability. ACG1F also includes the latest USB Type-C Connector System Software Interface (UCSI) driver implementations and extensions from Microsoft to enable broader support for customers developing USB-C solutions.

The USB-C standard for connectivity is being widely adopted by the world's leading manufacturers of PCs as well as makers of peripheral devices and accessories. USB-C offers a range of user benefits including reversible plug orientation as well as support for multiple standards including USB 3.1 (which delivers double the data transfer rates of USB 3.0 with speeds up to 10Gbps), Thunderbolt, DisplayPort, and HDMI.

"IDC anticipates that USB-C will continue its strong momentum and will be among the fastest growing technologies in personal computers over the next several years due to adoption by manufacturers and consumers alike," said Linn Huang, vice president, Devices and Displays at IDC. "Fast, versatile, robust, and you'll never have to wonder which way is up, USB-C is a game-changer and should eventually reach ubiquity. By 2022, USB-C will be embedded on greater than 80% of all notebooks with 25% of notebooks featuring only USB-C ports."

"As the leading provider of USB-C controllers, Cypress is extending its leadership with ACG1F within the mainstream and entry-level PC and notebook market," said Ajay Srikrishna, vice president of Cypress' Wired Connectivity Business Unit. "This high-volume market, which will continue to grow as USB-C continues to replace legacy USB Type-A ports on a large scale, represents a strong business opportunity for Cypress."

Product Availability

The ACG1F controller is now sampling to major OEMs and will be in volume production this quarter.

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About Cypress

Cypress is the leader in advanced embedded solutions for the world's most innovative automotive, industrial, smart home appliances, consumer electronics and medical products. Cypress' microcontrollers, wireless and USB-based connectivity solutions, analog ICs, and reliable, high-performance memories help engineers design differentiated products and get them to market first. Cypress is committed to providing customers with the best support and development resources on the planet enabling them to disrupt markets by creating new product categories in record time. To learn more, go to www.cypress.com.

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