



GLOBALFOUNDRIES Launches 7nm ASIC Platform for Data Center, Machine Learning, and 5G Networks

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FX-7™ offering leverages the company's 7nm FinFET process to deliver best in class IP and Solutions

Santa Clara, Calif., June 13, 2017 – GLOBALFOUNDRIES today announced the availability of FX-7™, an application-specific integrated circuit (ASIC) offering built on the company's 7nm FinFET process technology. FX-7 is an integrated design platform that combines leading-edge manufacturing process technology with a differentiated suite of intellectual property and 2.5D/3D packaging to deliver the industry's most complete solution for data center, machine learning, automotive, wired communications, and 5G wireless applications.

Building on the continued success of [FX-14](#), with industry-leading 56G SerDes and a legacy of ASIC expertise, FX-7 provides a comprehensive suite of tailored interface IPs including High Speed SerDes (60G, 112G), differentiated memory solutions including low-voltage SRAM, high-performance embedded TCAM, integrated DACs/ADCs, ARM processors, and advanced packaging options such as 2.5D/3D. In addition, the FX-7 portfolio enables new design methodologies and complex ASIC solutions for lower power and high-performance applications targeting hyper-scale data centers, 5G networking, and machine and deep learning applications. Future extensions are planned to support solutions for automotive ADAS and imaging applications.

"The explosion of data traffic and bandwidth in global networks is driving a new set of demands for our customers," said [Mike Cadigan](#), senior vice president of the ASIC Business Unit at GF. "By leveraging our most advanced 7LP FinFET process technology, the FX-7 offering continues to extend our leadership in serving our customers by delivering the most advanced lower power and high performance ASIC solutions for new market paradigms such as data centers, deep computing, and wireless networking."

"GF's 7nm FinFET technology demonstrates the technology and market leadership resulting from the combination of the silicon and manufacturing expertise of GF and IBM's former semiconductor group," said [Jim McGregor](#), founder and principal analyst at TIRIAS Research. "With its new FX-7 ASIC offering, GF is extending its reach beyond traditional foundry customers to a new generation of systems companies who are looking to leverage bleeding-edge silicon processes for a wide range of applications, from deep learning for artificial intelligence to next-generation 5G networks."

Design kits for the FX-7 ASIC offering are now available to customers, with volume production expected in 2019.

About GF:

GF is a leading full-service semiconductor foundry providing a unique combination of design, development and fabrication services to some of the world's most inspired technology companies. With a global manufacturing footprint spanning three continents, GLOBALFOUNDRIES offers the technologies and systems that transform industries and give customers the power to shape their markets. GLOBALFOUNDRIES is owned by Mubadala Development Company. For more information, visit <http://www.globalfoundries.com>.

Contacts:

Erica McGill
GF
(518) 795-4250
erica.mcgill@globalfoundries.com