**FOR IMMEDIATE RELEASE CONTACT**

Matt Burns

[matthew.burns@samtec.com](mailto:matthew.burns@samtec.com)

812-944-6733

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**Samtec Announces New VITA 57.4** **FMC+ Development Kits with FireFlyTM Optical Engines**

Kits Enable 448 Gbps Maximum Throughtput Between FPGAs/SoCs and Fiber Optics

**New Albany, IN:** Samtec, a privately held $713MM global manufacturer of a broad line of electronic interconnect solutions, proudly announces the release of the two new FireFlyTM FMC+ Development Kits. The first supports data rates of 25 Gbps per channel while the second runs at 28 Gbps per channel. These new solutions offer easy-to-use evaluation and development platforms for Samtec’s FireFlyTM optical engines.

Samtec’s 25/28 Gbps FireFlyTM FMC+ Modules provides up to 400/448 Gbps full-duplex bandwidth over up to 16 channels from an FPGA/SoC to an industry-standard multi-mode fiber optic cable. The new kits support protocols including Ethernet, InfiniBandTM, Fibre Channel and Aurora typically found in Video, Mil/Aero, Embedded Computing, Instrumentation, HPC and Date Center applications.

[FireFly](https://www.samtec.com/optics/optical-cable/mid-board/firefly)[TM](https://www.samtec.com/optics/optical-cable/mid-board/firefly) [optical engines](https://www.samtec.com/optics/optical-cable/mid-board/firefly) make the electrical to optical conversion in the transmit path and the optical to electrical conversion in the receive path. They are based on proven MultiMode optics and support cable lengths up to 100 m.

As a VITA 57.4-compliant FMC+ Module, Samtec’s new solutions can be used for optical data communication on any FPGA/SoC development platform that supports the VITA 57.4 interface. Both kits can run system data or BERT testing from a single channel to all sixteen channels in parallel. Technical documentation and FPGA reference designs are available for quick start-up.

“Evaluating 100 Gbps/112 Gbps optical engine technology has high barriers of entry,” said Matt Burns, Product Marketing Manager at Samtec, Inc. “Samtec’s new FireFlyTM FMC+ Development Kits simplify the evaluation and development of FireFlyTM technology by using the emerging FMC+ interface typcal of high-performance FPGA/SoC development tools.”

For more information on the 25 Gbps and 28 Gbps FireFlyTM FMC+ Development Kits, please download the [Product Brief](http://suddendocs.samtec.com/notesandwhitepapers/samtec-firefly-fmcp-kit-product-brief.pdf) or visit [www.samtec.com/25g-28g-firefly-fmcp](http://www.samtec.com/25g-28g-firefly-fmcp). Immediate technical support is available from Samtec’s applications experts at [KitsAndBoards@samtec.com](mailto:KitsAndBoards@samtec.com).

**About Samtec, Inc.**

Founded in 1976, Samtec is a privately held, $713MM global manufacturer of a broad line of electronic interconnect solutions, including High-Speed Board-to-Board, High-Speed Cables, Mid-Board and Panel Optics, Microelectronics, Flexible Stacking, and Micro/Rugged components and cables. With 33 locations in 18 different countries, Samtec’s global presence enables its unmatched customer service. For more information, please visit <http://www.samtec.com>.

**Samtec, Inc.**

**P.O. Box 1147**

**New Albany, IN 47151-1147**

**USA**

**Phone: 1-800-SAMTEC-9 (800-726-8329)**

**www.samtec.com**