

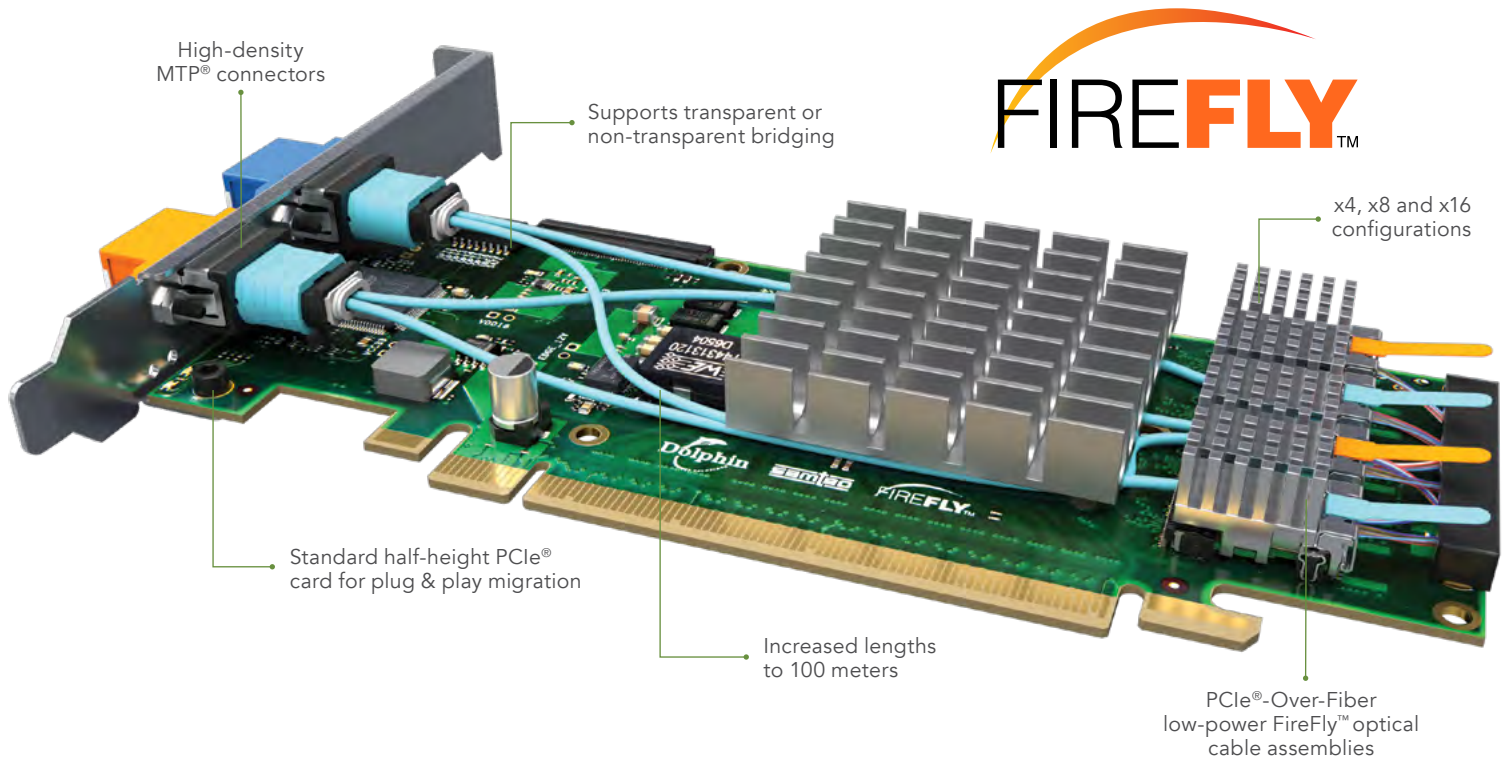


# PCIe®-OVER-FIBER ADAPTOR CARD

## ADAPTOR CARD WITH FIREFLY™ OPTICAL SYSTEM

PCIe®-Over-Fiber Adaptor Card features Samtec's PCIe®-Over-Fiber FireFly™ optical cable solution with key features to enable clear signal transmission with increased reach and cost optimization. By supporting the PCIe® Gen 3 protocol, the adaptor card delivers high data transfer rates with low latency, power management and guaranteed transmission.

- PCIe® x16 edge card connector
- Supports Gen 3 platform; Gen 4 in development
- Scalable configurations for cost optimized performance
  - x4: single, dual or quad
  - x8: single or dual
  - x16: single
- Transparent or non-transparent bridging for system flexibility and multi-processor support
- Easy migration into existing and new architectures with a half-height PCIe® card
- Reconfigurable host or target operation
- Enables computer-to-computer or computer-to-endpoint over long distances
- Features PCIe®-Over-Fiber FireFly™ optical cable assemblies (PCUO Series)
  - Enables lengths to 100 meters
  - Bidirectional sidebands for reset and cable present
  - Miniature footprint enables smaller endpoints
  - Galvanic isolation for high voltage systems
- Ideal for high-performance and applications requiring robust data transmission: AR/VR high-definition cameras, video editing systems, security systems, data acquisition, industrial applications



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### System

- PCOA Series - PCIe®-Over-Fiber Adaptor Card
- Includes: PCUO Series - PCIe®-Over-Fiber FireFly™ Optical Cable System

For more information on Samtec's PCIe®-Over-Fiber FireFly™ Solutions, please visit [samtec.com/firefly](http://samtec.com/firefly) or contact [firefly@samtec.com](mailto:firefly@samtec.com).

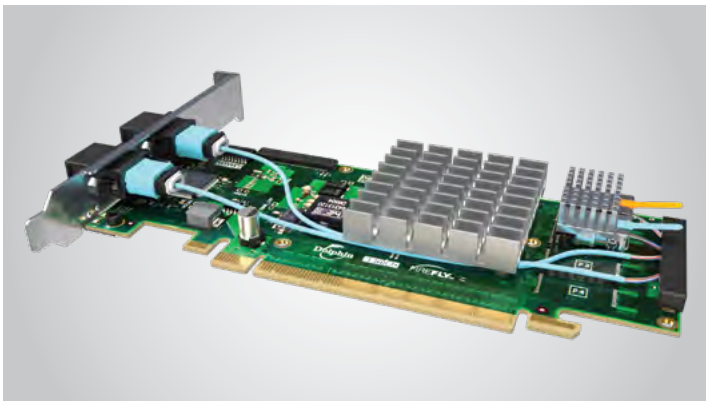
PCIe®-Over-Fiber Adaptor Card is available in a variety of x4, x8, and x16 configurations for greater system flexibility and cost optimization.



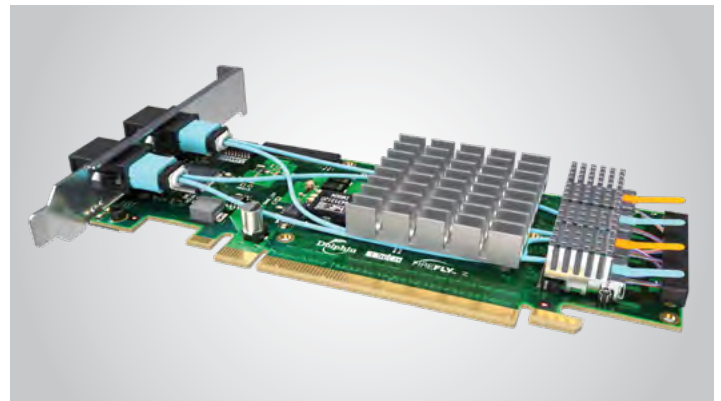
Single x4



Single x8



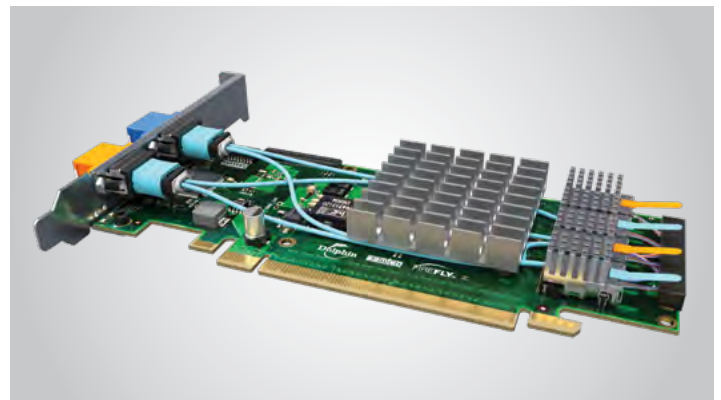
Dual x4



Dual x8



Quad x4



x16

For more information on Samtec's PCIe®-Over-Fiber FireFly™ Solutions, please visit [samtec.com/firefly](http://samtec.com/firefly) or contact [firefly@samtec.com](mailto:firefly@samtec.com).