PCle®-OVER-FIBER ADAPTOR CARD
ADAPTOR CARD WITH FIREFLY™ OPTICAL SYSTEM

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

- PCle® 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 PCle® card
- Reconfigurable host or target operation
- Enables computer-to-computer or computer-to-endpoint over long distances
- Features PCle®-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 - PCle®-Over-Fiber Adaptor Card
- Includes: PCUO Series - PCle®-Over-Fiber FireFly™ Optical Cable System

For more information on Samtec’s PCle®-Over-Fiber FireFly™ Solutions, please visit samtec.com/firefly or contact 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.

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