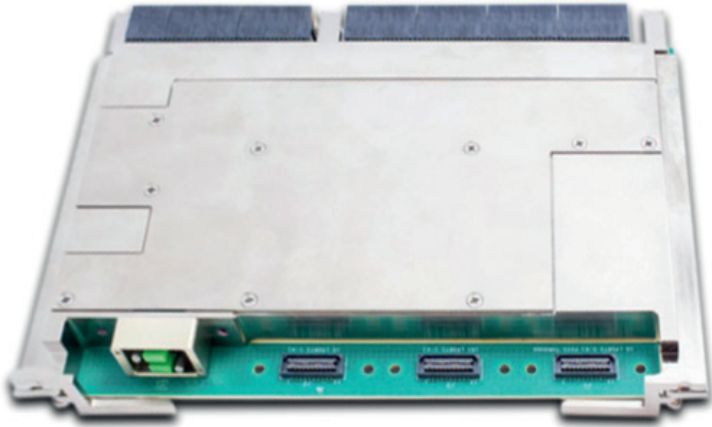


## VPX Media Converter



### Benefits of using *Light*ABLE transceivers

- Converts backplane high-speed electrical signal to front optical and electrical Ethernet I/O.
- Allows direct MT fiber connection to a VITA 66.1 connector
- Small dimensions (L × H × D): 24 mm × 5 mm × 13 mm.
- Low power consumption: 100 mW/lane
- High I/O throughput: 12.5 Gbps/lane
- High performance from -40 °C to 100 °C.
- BER: better than 10<sup>-12</sup>.
- Receiver sensitivity: -12 dBm.
- Rugged: MIL-STD 883 shock and vibration qualified.

Amphenol Aerospace, a world leader in high performance rugged interconnect products, offers the most advanced 6U VPX Media Converter Module using Reflex Photonics rugged embedded optics. The new converter module converts backplane high speed signals to electrical and optical Ethernet.

The VPX Media Converter is offered with a VITA66.1 optical connector and supports 32 × 10GBASE-SR or 8 × 40GBASE-SR.

### Quote from Amphenol Aerospace

The Rugged VPX Media & Protocol Conversion Module provides connectivity for 1G, 10G, and up to 40G Ethernet with 1GBASE-T, 10GBASE-T, and Fiber Base-SR conversion circuitry. It has multiple copper and fiber conversion formats in a unit that meets MIL-STD-810 vibration specifications and rugged temperature ranges. The 3U and 6U VPX modules have corresponding internal sub-system connectors and cables, as well as full test and integration set of products.

The module is ideal for any rugged application where network integration is needed to connect various sensors, recorders, processors, display engines, and other networked devices together. It is intended for plug-and-play integration with COTS VPX CPUs, switches, and other devices.

**Amphenol**  
Aerospace



### Transceiver used in this application

*Light*ABLE LH SR4 embedded transceiver

[www.reflexphotonics.com](http://www.reflexphotonics.com)

For information on Reflex Photonics products, contact:

[sales@reflexphotonics.com](mailto:sales@reflexphotonics.com)

1.514.842.5179 (Montreal) • 1.408.715.1781 (USA)

Reflex Photonics is certified to ISO 9001

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VPX\_MediaConverter\_Application\_EN\_201710

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