



# SFP-Adapterboard

Product Brief 1.0

## Key Features

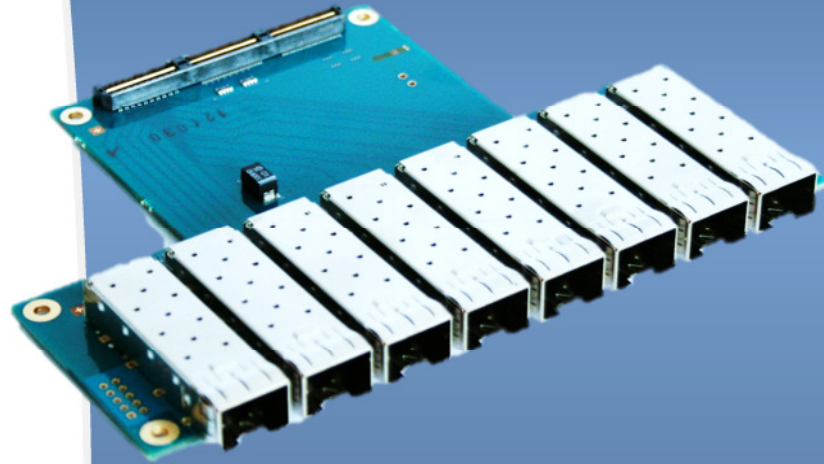
- 8x SFP+ slots
- Up to 6.25Gbps per slot
- ALTERA HSMC connector
- Compatible to HSMC base boards
- Connects to GTX transceiver pins
- Configurable shield connection
- Additional power supply connection

## Board Description

The SFP-Adapterboard implements 8 SFP+ slots which are connected to the transceiver based connections of a standard ALTERA HSMC connector. In conjunction with an ALTERA base board (i.e. Terasic TR4) it can be used to extend the base board with 8 optical data links of up to 6.25Gbps per link.

The board offers an additional power connection which can be used to supply the board from an external source instead of providing power through the HSMC connector. Solder bridges to select between power sources are provided for convenience.

Also the shield connection of the SFP+ slots can be left floating or easily connected to system ground or any other desired potential.



## System application

The SFP-Adapterboard bridges the gap when it comes to high bandwidth applications which demand for multiple high-speed transceiver channels like ethernet switches or proprietary data link applications.

With its ability to provide data links of up to 6.25Gbps per port it is ideally suited for development projects with high data rates.

Please contact af inventions for a quote or more information on flexible FPGA design solutions.

## Contact Information

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