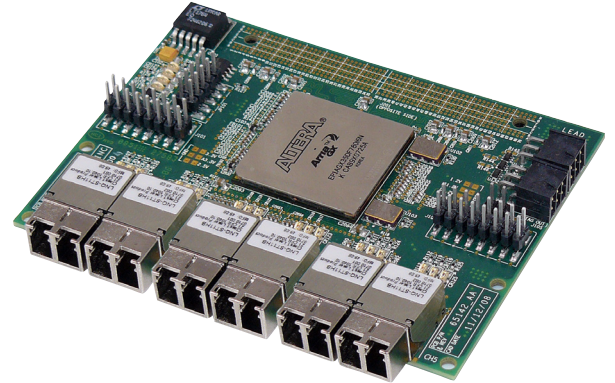


6-Channel Serial GPIOX Card (SIOX)

The SRC® Serial GPIOX card has up to six low profile transceivers. Connection to a transceiver is made with a LC Duplex fiber optic cable and has a maximum data rate of 3.125Gb/s. The card connects to the SRC MAP® processor board through the 524-pin GPIOX connector. Data is transmitted between the two as LVDS signals, and the MAP processor supplies the power for the Serial GPIOX card. The Serial GPIOX card can be used with all SRC products that support GPIOX and is designed to support Serial FPDP.



Specifications

FPGA	Altera Arria GX EP1AGX35DF780C6
Transceiver I/O	
Number of Ports	Up to 6
Transceiver Device	Stratos Lightwave LNQ-ST11HP
Transceiver Connection	Fiber Optic LC Duplex
General Purpose I/O (GPIO)	
Number of Ports to MAP	6
Number of Signal Paths per Port	12
GPIO Signal Standards	2.5VTTL, LVDS
Data Rate	Dependent on Protocol; Maximum 3.125Gb/s
Physical Specifications	
Board Size	3" x 4" (7.62 cm x 10.16 cm)
Cooling Methodology	Air
Power Consumption	1.2W (estimated)
Voltages	3.3V, 2.5V and 1.5V supplied by MAP; 1.2V generated onboard