

## PCIe-FPDP01

### Single Fiber Frame Grabber with PCI Express Interface



#### **INTRODUCTION**

The PCIe-FPDP01 is a Frame grabber from our products (EMB-FPDP02 or EMB-FPDP03) that is based on the PCI Express x1 interface, and supports SFPDP(Serial Front Panel Data Port) like Fibre Channel and InfiniBand configuration.

#### **GENERAL DESCRIPTION**

- ◆ PCI Express x1 interface
- ◆ PCI Bus Master Operation
- ◆ Serial FPDP interface
- ◆ High-speed image transfer rates up to 170MB/sec
- ◆ All of the board functions are controlled by the logic program of the FPGA.
- ◆ Support VC++6.0

#### **APPLICATION**

- ◆ Fibre Data Transmission

#### **SOFTWARE**

##### ■ Operating System

- Windows 2000 SP4/XP SP1/Win 7

##### ■ API

- Interface with Application through client DLL

#### **SPECIFICATION**

##### ■ Features

- Up to 4.25Gb/s bi-directional data links
- 2x7 pin SFF-like footprint
- 850nm Oxide VCSEL laser transmitter
- Duplex LC connector
- Metal enclosure, for lower EMI

#### **PHYSICAL/ENVIRONMENTAL**

##### ■ Dimension

- Dimension (not including connectors)  
: 160mm x 55 mm

##### ■ Temperature

- 0 to 60°C, Operating
- -10 to 85°C Storage

##### ■ Relative Humidity

- 5 to 95%, Non-considering

##### ■ Power Requirement

- 3.3V Single Power Operation at Max. 300mA

■ Board Feature

