

OP7361 DATASHEET

8X SFP Carrier

Published by
Opal-RT Technologies, Inc. 1751 Richardson, suite 2525 Montreal, Quebec Canada H3K 1G6
www.opal-rt.com
© 2013 Opal-RT Technologies, Inc. All rights reserved Printed in Canada
Printed in Canada

CONTENTS

OP7361 8X SFP CARRIER	5
DESCRIPTION	5
FEATURES	
INSTALLATION	
STATUS DISPLAY	6
CONNECTORS	6
TYPICAL CHANNEL DIAGRAM	7
SPECIFICATIONS	7

OP7361 8X SFP CARRIER

DESCRIPTION

The OP7361 is designed to fit in the front of the OP7000 chassis. The OP7361 is an 8xSFP carrier to be inserted on the front of the OP7000. This board is installed in a secondary FPGA slot and uses available high speed links to communicate externally. An SFP (Small Form-factor Pluggable) module is a compact, hot-pluggable transceiver used for both telecommunication and data communications.

SFP transceivers are available with a variety of transmitter and receiver types, allowing users to select the appropriate transceiver for each link to provide the required optical reach over the available optical fiber type (e.g. multi-mode fiber or single-mode fiber).

The OP7361 Carrier is compatible with:

- SFP multi-mode fiber only,
- SFP that can run up to 4 Gbps with available bitrate of: 1, 1.25, 2, 2.5, 4, 5 Gbps.

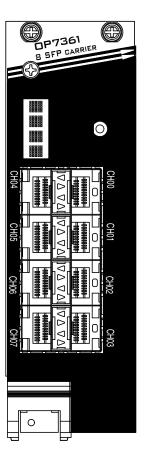
FEATURES

- Status display, with push-button control
- 8 fiber optic connectors.

INSTALLATION

The OP7361 module must be inserted at the front of the OP7000 simulator, in an odd numbered slot, making sure that the board is properly aligned using the guide tracks before pressing into place.

Make sure that the board corresponds to the compatible board at the rear of the chassis.

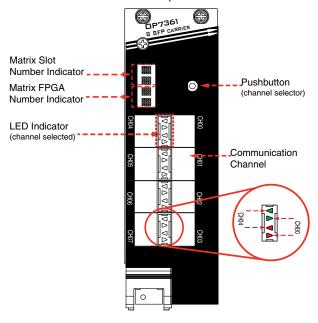


STATUS DISPLAY

The OP7361 is equipped with a status display interface that is operated by a pushbutton. The pushbutton allows you to select a channel, and its status – what channel is linked to the slot – will then be displayed in the display area. Press to move to the next channel.

The LEDs associated to the selected channel will blink to indicate the channel is selected:

- Green arrow will blink to show where to plug the SFP module.
- Red arrow indicates a problem with the SFP link (communication RX loss, or TX fault).

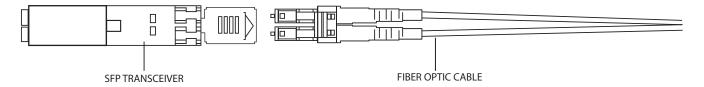


The top two matrix slot indicators display the slot number where the SFP is connected.

The lower two matrix slot indicators display the FPGA slot associated to each SFP. This allows you to identify exactly what the channel is connected.

CONNECTORS

Use an SFP transceiver and a fiber optic cable (as shown) to connect to the OP7361.



TYPICAL CHANNEL DIAGRAM

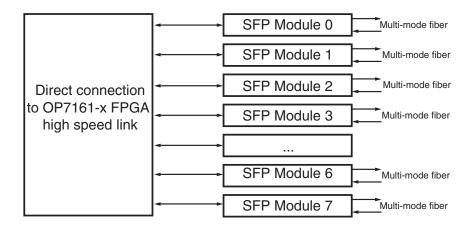


Figure 25: Channel diagram

SPECIFICATIONS

Product name	OP7361	
Part number	126-0445	
Product type	OP7000 8-SFP carrier board	
Dimensions	Board: (connectors excluded) 16 x 10 cm (6.3 in x 4 in) Plate: 12.87 x 4.03cm (5.06 x 1.59in)	
Operating temperature	10 to 40 °C (50 to 104°F)	
Storage temperature	-55 to 85°C (-67 to 185°F)	
Relative humidity	10 to 90%, non condensing	
Maximum altitude	2,000 m (6562 ft.)	

CONTACT

Opal-RT Corporate Headquarters

1751 Richardson, Suite 2525 Montréal, Québec, Canada H3K 1G6

Tel.: 514-935-2323 Toll free: 1-877-935-2323

Technical Services www.opal-rt.com/support

Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines.

This publication is not intended to form the basis of a contract.



DS13-09059-OP2 06/2013

© OPAL-RT Technologies Inc.