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Notice

Gefen, LLC reserves the right to make changes in the hardware, packaging, and any accompanying documentation without prior written notice.

DP Extender 1FO is a trademark of Gefen LLC

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Congratulations on your purchase of the Gefen *DP Extender 1FO*. Your complete satisfaction is very important to us.

Gefen

Gefen delivers innovative, progressive computer and electronics add-on solutions that harness integration, extension, distribution and conversion technologies. Gefen's reliable, plug-and-play products supplement cross-platform computer systems, professional audio/video environments and HDTV systems of all sizes with hard-working solutions that are easy to install and simple to operate.

The Gefen DP Extender 1FO

The DisplayPort fiber optic pigtail module extender with DPCP support extends a DisplayPort up to 3300 feet (1000 meters) using a single-strand 50/125 μ m multimode (OM2 / OM3) SC-terminated fiber optic cable with resolutions up to 2560 x 1600 (WQXGA). Optical signal transmission provides galvanic isolation and immunity to electromagnetic interference compared to similar copper based extension modules.

The pigtail design of the Sender and Receiver modules relieves stress and clutter on the source and display connector panels. Their compact design makes them ideal for fitting neatly behind equipment for a clean installation, making it a great way to easily extend DisplayPort.

How It Works

The Sender pigtail end plugs into the DisplayPort source. The Receiver pigtail end plugs into the display. Connect a single-strand 50/125µm multimode (OM2 / OM3) SC-terminated fiber optic cable from the Sender to the Receiver module. Plug the included power supplies into the Sender and Receiver modules and a vibrant Hi-Def picture will appear on your display.

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE GEFEN DP EXTENDER 1FO

- Both the Sender and Receiver pigtail modules have power receptacles and must be connected to the included power supplies for proper operation.
- Refer to the chart below for the maximum extension distances based on the type of fiber optic cable that is being used.

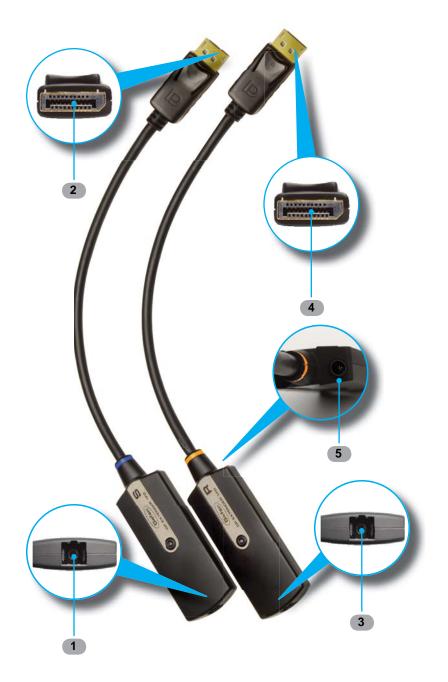
	Fiber Type		
Length	OM1	OM2	OM3
100 m		\checkmark	
250 m	\checkmark	\checkmark	
300 m	\checkmark	\checkmark	
500 m		\checkmark	\checkmark
1000 m		\checkmark	\checkmark

Features

- Extends DisplayPort up to 3300 feet (1000 meters) over a single-strand of 50/125µm multimode (OM2 / OM3) SC-terminated fiber optic cable
- Supports resolutions up to 2560 x 1600 (WQXGA)
- Compliant with DisplayPort 1.1 standard
- Fiber optic transmission eliminates electromagnetic interference (EMI)
- Pigtail design relieves stress and clutter on the source and display connector panels
- DPCP-compliant
- DDC bi-directional support
- Compact Sender and Receiver modules provide a clean, easy installation
- FCC and CE compliant for EMI/RFI emission

Package Includes

- (1) DP Extender 1FO Sender Pigtail module
- (1) DP Extender 1FO Receiver Pigtail module
- (2) 5V / 2A DC Power Supplies
- (1) Quick-Start Guide



1 Fiber Optic Connector (Sender module)

Connect an SC-terminated fiber optic cable from the Sender pigtail module to the SC fiber connector on the Receiver pigtail module.

2 DisplayPort Connector, male (Sender module)

Connect this end of the Sender pigtail module to the computer or other DisplayPort source.

3 Fiber Optic Connector (Receiver module)

Connect the SC-terminated fiber optic cable from the Sender pigtail module to the SC fiber connector on the Receiver pigtail module.

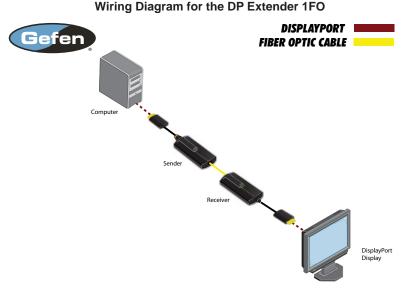
4 DisplayPort Connector, male (Receiver module) Connect this end of the Receiver pigtail module to the display.

5 Power Receptacle

Connect the included 5V DC power supply to this power receptacle on the Receiver pigtail module. Both the Sender and Receiver module have power receptacles and must be connected to the included power supplies for proper operation.

How to Connect the DP Extender 1FO

- 1. Connect the Sender pigtail module to the computer or other DisplayPort source.
- 2. Connect the Receiver pigtail module to the display.
- Connect a single strand of SC-terminated fiber optic cable between the fiber optic connectors on the Sender and Receiver pigtail module. Refer to the Operation Notes for information on fiber optic cable-types and distances.
- 4. Connect the included 5V DC power supplies to both the Sender and Receiver modules.
- 5. Power-on the display and DisplayPort source.



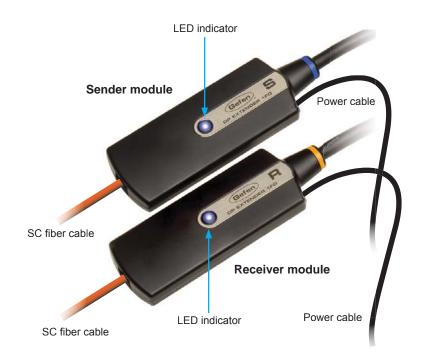
EXT-DP-CP-FM10

Power Indicators

The power indicators on both the Sender and Receiver modules of the DP Extender 1FO provide information about the current power state.

Normal operation

If the power indicator on both the Sender and Receiver module glows bright blue, then both the Sender and Receiver module are powered.



If either power indicator is off, then the module is not powered. Ensure that the power adapter is securely connected to the power receptacle on the module.

SPECIFICATIONS

Video bandwidth	3.5 Gbps/Channel
Video Input Connector (Sender)	(1) DP-20-pin, male
Video Output Connector (Receiver)	(1) DP-20-pin, male
Link Connector (Sender/Receiver)	(1) Type SC fiber (50 /125µm)
Power Supply (Sender / Receiver)	5V / 2A DC
Power Consumption (Receiver)	1.5W (max.)
Operating Temperature	+32 to +122 °F (0 to +50 °C)
Storage Temperature	4 to 158 °F (-20 to +70 °C)
Relative Humidity	10 to + 80%
Dimensions (W x H x D)	1.50" x 0.47" x 3.51" (38.10mm x 11.93mm x 89.15mm)
Shipping Weight	1 lb (0.45 kg)

Gefen warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications. Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

- 1. Proof of sale may be required in order to claim warranty.
- Customers outside the US are responsible for shipping charges to and from Gefen.
- 3. Copper cables are limited to a 30 day warranty and cables must be in their original condition.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the features and specifications is subject to change without notice.

For the latest warranty coverage information, refer to the Warranty and Return Policy under the Support section of the Gefen Web site at www.gefen.com.

PRODUCT REGISTRATION

Please register your product online by visiting the Register Product page under the Support section of the Gefen Web site.



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This product uses UL or CE listed power supplies.