

ICONIX

HD Video Fiber Optic Modules

Models Covered :

SFP-HD-2TX	HD Video Fiber Optic Dual Transmitter SFP Module
SFP-HD-2RX	HD Video Fiber Optic Dual Receiver SFP Module
SFP-HD-TXRX	HD Video Fiber Optic Transceiver SFP Module

Specifications

These optical video Small Form Factor Pluggable (SFP) modules are for high performance duplex data links over single mode optical fiber. They are designed to transmit/receive data rates from 143Mbps to 1.485Gbps and are compatible with the following Standards:

- SMPTE 297M/292M (HDTV – 1.485Gbps)
- SMPTE 297M/259M (SDTV – 143/177/270/360Mbps)

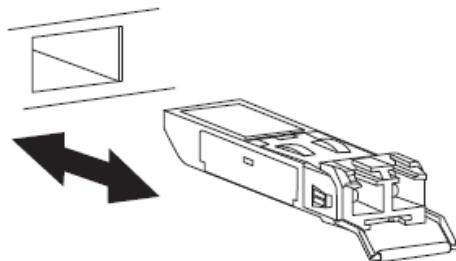
Long Wavelength Laser: The dual transmitter and transceiver are designed with 1310nm FP laser with angle polished fiber stub

Long Wavelength Receiver: The dual receiver and transceiver modules are provided with single mode PIN pre-amp subassemblies with angle polished fiber stub.

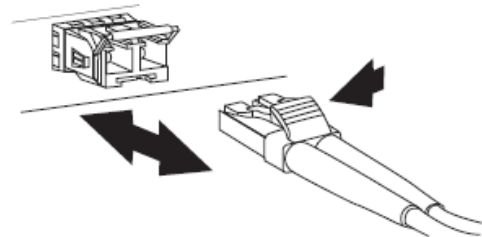
Installation into Host Equipment

Installation procedure:

1. Always read and refer to the operation manual of the host equipment before installing modules.
2. A module should be prepared by removing the rubber plug and ensuring that the locking bail is in the unlocked (down) position.
3. Gently insert the new SFP module into the cage opening. Be sure to check for proper and smooth insertion, and avoid any “snagging” of the metal leaf springs on the SFP body.
4. DO NOT TWIST OR FORCE the SFP module.
5. Once fully installed, put the bail in the upright, locked position.
6. Check for full, secured installation.
7. Connect an LC-terminated fiber optic cable to the module.



SFP Module Insertion
(Bail shown in unlocked position)



LC Cable Insertion

Regulatory

The SFP-HD-2TX and SFP-HD-TXRX transmitters are Class 1 Laser Products compliant with FDA Radiation Performance Standards, 21 CFR Subchapter J. These components are also Class 1 Laser compliant according to International Safety Standard IEC-825-1.

The SFP-HD-2RX optoelectronic receiver and receiver portion of the SFP-HD-TXRX is designed to operate with a transmitter that is Class 1 Laser product compliant with FDA Radiation Performance Standards, 21 CFR Subchapter J and International Safety Standard IEC-825-1.

Warranty

Iconix Video, Inc., ("Iconix"), makes the following limited warranties with regard to the HD Fiber Optic Modules: SFP-HD-2TX, SFP-HD-2RX and SFP-HD-TXRX (the "Product" or "Products"). These limited warranties extend only to the purchaser who first uses the Fiber Optic Modules (hereinafter "Purchaser"). ICONIX warrants the Products against defects in material or workmanship for its normal, useful life or for ninety (90) days from the date of purchase. If ICONIX determines the product to be defective in materials or workmanship, ICONIX will repair or replace the product at no charge or, at ICONIX's sole discretion, refund the purchase price shown on your receipt. ICONIX is not obligated to provide a substitute unit during the warranty period or at any time. If, after investigation, ICONIX determines that the reported problem was not covered by the warranty, Purchaser shall pay ICONIX for the cost of investigating the problem at its then prevailing per incident billable rate. No repair or replacement of any products or part thereof shall extend the warranty period as to the entire product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product warranty, whichever is greater. ICONIX shall have no liability or obligation to Purchaser with respect to any Products requiring service during the warranty period which is subjected to any of the following: abuse, improper use; negligence, accident, modification, failure of the end-user to follow the operating procedures outlined in the user's manual, attempted repair by non-qualified personnel; operation of the Products outside of the published environmental and electrical parameters, or if such Products' original identification (trademark, serial number) markings have been defaced, altered, or removed. All software and accompanying documentation furnished with, or as part of the Products is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Products. Purchaser's exclusive remedy and ICONIX's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts. If repair or replacement fails to remedy the defect, then, and only in such event, shall ICONIX refund the purchase price for such Products. Failure to make a claim as set forth hereinabove or continued use of the Product shall constitute an unqualified acceptance of such Products and a waiver by Purchaser of all claims thereto. You should read this HD Fiber Optic Module Data Sheet and the Owner's Manual for the HD-RH1 or HD-RH1F thoroughly before using the SFP-HD-2TX, SFP-HD-2RX or SFP-HD-TXRX modules. Before seeking warranty service, you should carefully read the installation procedures contained in this Data Sheet and the HD-RH1 or HD-RH1F Owner's Manual and follow the instructions carefully to correct the problem. This Limited Warranty is subject to the following conditions: (1) You must provide the bill of sale or proof of purchase showing that you are the Original End User/Purchaser and verifying that the Product is still within the ninety (90) day warranty period at the time that warranty service is required; (2) You must notify ICONIX within fourteen (14) days of discovering that the product does not perform in accordance with specifications during the Limited Warranty period and all claims must be made within the Limited Warranty period; (3) All warranty servicing of this product must be made by ICONIX or an Authorized Service Provider ("ASP"); and (4) You must pack the product in its original carton using the original packing material or similar packing affording an equal degree of protection. Failure to pack the product in anything other than the original packing carton and materials may result in damage to product during shipment and void the Warranty.

DISCLAIMERS: ALL OTHER EXPRESS OR IMPLIED WARRANTIES ON THESE PRODUCTS, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. IF THE PRODUCT IS NOT IN GOOD WORKING ORDER AS WARRANTED ABOVE, YOUR SOLE AND EXCLUSIVE REMEDY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT. IN NO EVENT WILL ICONIX OR ANY ASP BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT. THIS LIMITATION APPLIES TO DAMAGES OF ANY KIND, INCLUDING ANY DIRECT OR INDIRECT DAMAGES, LOST PROFITS, LOST SAVINGS OR OTHER SPECIAL, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, WHETHER FOR BREACH OF CONTRACT, TORT OR OTHERWISE, OR WHETHER ARISING OUT OF THE USE OF OR INABILITY TO USE SUCH PRODUCTS, EVEN IF ICONIX OR AN ASP HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR OF ANY CLAIM BY ANY OTHER PARTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR SOME PRODUCTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE. THIS LIMITED WARRANTY SHALL BE VOID IF THE PRODUCT OR PARTS HAVE BEEN SUBJECT TO MISUSE, ABUSE, ACCIDENT, IMPROPER INSTALLATION, IMPROPER MAINTENANCE, OR USE IN VIOLATION OF ICONIX'S WRITTEN INSTRUCTIONS, OR WHERE THE PRODUCT HAS BEEN OPENED, ALTERED OR MODIFIED WITHOUT ICONIX'S PRIOR AUTHORIZATION, OR UPON THE REMOVAL OR ALTERATION OF ICONIX'S FACTORY SERIAL NUMBER. SERVICE CHARGES FOR PRODUCT INSTALLATION, SET UP AND ADJUSTMENT OF CONTROLS ARE NOT COVERED BY THIS LIMITED WARRANTY.

To obtain warranty service, Purchaser must: (1) Contact ICONIX or an ASP for warranty service within fourteen (14) days after the Product fails to perform in accordance with specifications; (2) Obtain an RMA Number from Iconix which authorizes you to ship the Product to ICONIX or an ASP; (3) Securely pack the Product as described above, mark the label and shipping documents of the package with your Authorized RMA Number; (4) insure the carton, and include a letter with a detailed explanation of the problem and a copy of the bill of sale or proof of purchase; (5) Prepay all transportation and insurance costs; (6) for International returns shipping paperwork must prominently state "Return of U.S. Manufactured Goods for Repair" in order to avoid custom/import duties, tariffs and/or taxes otherwise imposed on sold goods. If you have any questions, please first check your USER'S MANUAL, and the ICONIX Web Site FAQ section. If you can not find an answer to your question at either of these sources please send an e-mail as follows: Web Site: <http://www.iconixvideo.com/warranty> or tech.support@iconixvideo.com. [No person, agent, distributor, dealer, authorized service provider, or company is authorized to change, modify, or extend the terms of this Limited Warranty in any manner whatsoever.]

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