

Leader

LC2149
SFP+ SINGLE MODE

取扱説明書
Instruction Manual

お買い上げいただきありがとうございます。

この取扱説明書をよくお読みのうえ、製品を安全にお使いください。

Thank you for purchasing.

Please carefully read this instruction manual.
Please use the product safely.

Leader Electronics Corporation

June 6, 2024 Ver.2

GENERAL SAFETY SUMMARY

- Read This before Using the Instrument
This instrument should only be used by persons with sufficient knowledge of electronics who thoroughly understand the contents of this manual.

This instrument is not designed or manufactured for households or ordinary consumers. If a person without sufficient knowledge of electronics uses this instrument, it may be damaged, and the user may be injured. Such a person should not use this instrument unless they are supervised by a person who does possess such knowledge.
- Note about Reading This Manual
The contents of this manual contain specialized terminology and may be difficult to understand. If you have any questions about the contents of this manual, please contact your local LEADER agent.
- Symbols and Terms
The following symbols and terms are used in this instruction manual and on the instrument to indicate important warnings and notes.

	This symbol appears in this instruction manual and on the instrument to indicate an area where improper handling could result in personal injury, damage to the instrument, or malfunction of the instrument or devices connected to it. When you encounter this symbol on the instrument, be sure to refer to the information in this instruction manual that corresponds to the area that the symbol marks.
	Ignoring the precautions that this term indicates could lead to death or serious injury.
	Ignoring the precautions that this term indicates could lead to personal injury or damage to the instrument.

GENERAL SAFETY SUMMARY

Read the warnings and information below thoroughly to avoid death, personal injury, and damage and deterioration of the instrument.



- Warnings Concerning the Case
Do not remove the instrument's case for any reason. Touching the internal components of the instrument could lead to fire or electric shock.
Also, do not allow foreign materials, such as liquids, combustible matter, and metal, to enter the instrument. Turning the instrument on when such materials are inside it could lead to fire, electric shock, damage to the instrument, or some other accident.
- If You Notice Something Wrong during Operation
If you notice smoke, flame, a strange smell, or something else that is wrong with the instrument while you are operating it, a fire may occur. Stop operation immediately. After making sure that fire has not spread anywhere, contact your local LEADER agent.
- Warnings Concerning the SFP Transceiver
SFP Transceiver is a Class I laser product. Avoid direct eye exposure to laser radiation.

GENERAL SAFETY SUMMARY



- Installation Environment
 - Operating Temperature Range
Use this instrument in a 0 to 40 °C environment. Using this instrument in a high-temperature environment could lead to fire. Drastic changes in temperature, such as might be caused by moving the instrument between two rooms with different temperatures, can damage the instrument by causing condensation to form within it. If there is a possibility that the instrument has condensation within it, wait for approximately 30 minutes before turning on the power.
 - Operating Humidity Range
Use this instrument in an environment whose relative humidity is 85 %RH or less where there is no threat of condensation forming. Also, do not operate this instrument with wet hands. Doing so could lead to electric shock or fire.
 - Do Not Operate in an Explosive Atmosphere
Using this instrument in an environment where flammable gasses, explosive gasses, or steam is emitted or stored could lead to an explosion or fire. Do not use the instrument in such an environment.
 - Do Not Insert Foreign Materials
If foreign materials, such as metal, flammable objects, or liquid are allowed into the instrument (through the vents for example), fire, electric shock, damage to the instrument, or some other accident may result.

GENERAL SAFETY SUMMARY



- Cautions Concerning the Input Connector
To avoid damaging the instrument, only apply signals to the input connectors that conform to the specifications in this instruction manual. Doing so may damage the instrument and devices that are connected to it.
- Cautions Concerning the Mechanical Shock
Please be careful not to expose the instrument to other forms of severe mechanical shock.
- Routine Maintenance
When you clean the instrument, remove the power plug from the outlet.
Do not use thinner or benzene when you clean the instrument. Doing so could lead to paint chipping and the corrosion of plastic components. To clean the case, use a soft cloth with mild detergent, and wipe gently. While cleaning, make sure that foreign materials, such as water and detergent, do not enter the instrument. If liquid or a metal object enters into the instrument, fire or electric shock may result.
- About the European WEEE Directive
This instrument and its accessories are subject to the European WEEE Directive. Follow the applicable regulations of your country or region when discarding this instrument or its accessories. (WEEE stands for Waste Electrical and Electronic Equipment.)



If you have any questions or comments about this instruction manual, please contact your local LEADER agent.

1. INTRODUCTION

Thank you for purchasing this LEADER instrument. To use this instrument safely, read this instruction manual thoroughly, and make sure that you know how to use the instrument properly.

If some point about the operation of this instrument is still unclear after you have read this instruction manual, refer to the contact information on the back cover of the manual to contact LEADER, or contact your local LEADER agent.

After you have finished reading this manual, keep it in a convenient place so that you can refer to it when necessary.

2. SCOPE OF WARRANTY

This LEADER instrument has been manufactured under the strictest quality control guidelines.

LEADER shall not be obligated to furnish the following free services during the warranty period.

- Repair of malfunction or damages resulting from fire, natural calamity, or improper voltage applied by the user.
- Repair of an instrument that has been improperly repaired, adjusted, or modified by personnel other than a factory-trained LEADER representative.
- Repair of malfunctions or damages resulting from improper use.
- Repair of malfunctions caused by devices other than this instrument.
- Repair of malfunctions or damages without the presentation of a proof of purchase or receipt bill for the instrument.

3. About unsupported

Commercially available modules purchased by customers themselves are not supported.

4. GENERAL

LC2149 is a SFP+ module for 10GbE single mode fiber dedicated to our products.

5. SPECIFICATIONS

Product Name	SFP+ SINGLE-MODE
Maximum Signal Speed	10.3125 Gbps
Wavelength	1310 nm
Transmission Distance	10 km
Connector	LC
Classification	Class I
Output Level	+0.5 dBm max.
Manufacturer	GIGALIGHT TECHNOLOGY
Environmental Conditions	
Operating Temperature Range	0 to 40 °C
Operating Humidity Range	85 %RH or less (no condensation)
Operating Environment	Indoors
Power Consumption	1500 mW
Dimensions	13.9 (W) × 11.8 (H) × 57.5 (D) mm
Accessories	Instruction manual 1

6. HOW TO USE

Attach the LC2149 to the following terminals.
For details, see the instruction manual of each product.

• LT4670-SER03 (PTP)	PTP terminal
• LT4670-SER04 (25G-IP/12G-SDI TSG)	IP OUTPUT terminal
• LT 4610SER03 (PTP)	SFP/SFP+ terminal
• LV5600/LV7600-SER05 (10G IP INPUT)	IP terminal
• LV5600/LV7600-SER06 (25G IP INPUT)	IP terminal

Following information is for Chinese RoHS only

所含有毒有害物质信息

部件号码: LC 2149

此标志适用于在中国销售的电子信息产品, 依据2006年2月28日公布的《电子信息产品污染控制管理办法》以及SJ/T11364-2006《电子信息产品污染控制标识要求》, 表示该产品在使用完后可再利用。数字表示的是环境保护使用年限, 只要遵守与本产品有关的安全和使用上的注意事项, 从制造日算起在数字所表示的年限内, 产品不会产生环境污染和对人体、财产的影响。产品适当使用后报废的方法请遵从电子信息产品的回收、再利用相关法令。详细请咨询各级政府主管部门。						
产品中有毒有害物质或元素的名称及含量						
部件名称 Parts	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
主体部	○	○	○	○	○	○
包装材	○	○	○	○	○	○
选项						
备注) ○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 规定的限量要求以下。 ×: 表示该有毒有害物质或元素至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。						