

OPTICAL TRANSCEIVERS

OPTISCHE TRANSCEIVER
ÉMETTEURS-RÉCEPTEURS OPTIQUES
光モジュール

Quick Start Guide V1.1

Quick-Start Anleitung
Guide de Démarrage Rapide
クイックスタートガイド

1



Caution against moisture.
Vorsicht bei Feuchtigkeit.
Précaution contre l'humidité.
湿気を避けてください。



Do not disassemble or modify the transceivers.
Die Transceiver dürfen nicht zerlegt oder modifiziert werden.
Ne pas démonter ou modifier les émetteurs-récepteurs.
モジュールを分解したり、改造したりしないでください。



Please wear antistatic gloves.
Bitte tragen Sie antistatische Handschuhe.
Veuillez porter des gants antistatiques.
静電気防止手袋を着用してください。



Do not look into fiber ports.
Schauen Sie nicht in die Glasfaser-Ports.
Ne pas regarder directement dans les ports de fibre.
ファイバポートを覗き込まないでください。



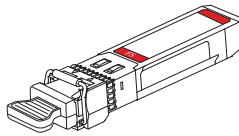
Only qualified personnel can install or replace the transceivers.

Nur qualifiziertes Personal darf die Transceiver installieren oder austauschen.

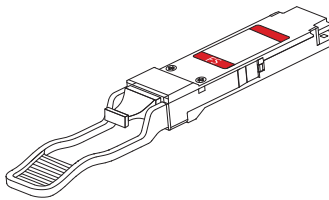
Seul un personnel qualifié peut installer ou remplacer les émetteurs-récepteurs.

モジュールの取り付けや交換は、専門家のみが行えます。

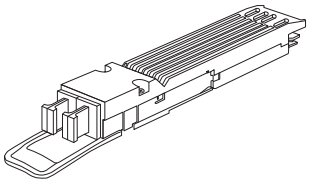
2



- 100M/1G/2.5G SFP
- 10G SFP+
- 1G-T SFP/10G-T SFP+
- 25G SFP28
- 50G SFP56
- 100G SFP-DD



- 40G QSFP+
- 200G QSFP56
- 200G/400G/800G QSFP-DD
- 50G/100G QSFP28
- 400G QSFP112



- 400G/800G OSFP

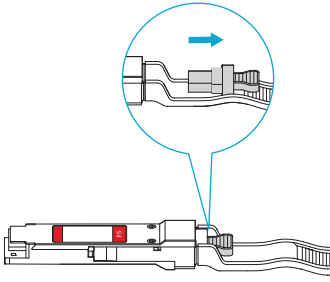
NOTE: Pictures are for reference only, please prevail in kind.

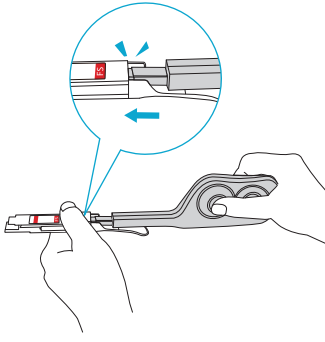
HINWEIS: Die Bilder dienen nur als Referenz. Bitte beachten Sie, dass sie in der Realität maßgeblich sind.

NOTE : Les photos ne sont données qu'à titre indicatif, merci de bien vouloir les accepter.

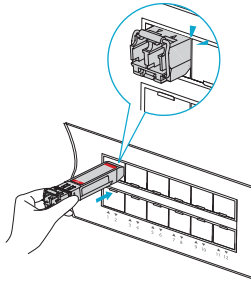
注：写真はあくまでも参考ですので、ご了承ください。

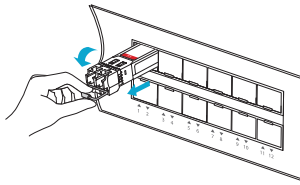
3





4



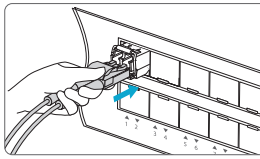


NOTE: Do not push in or pull out the transceiver with force.

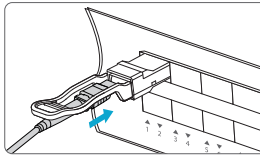
HINWEIS: Ziehen und drücken Sie den Transceiver nicht mit Gewalt heraus oder hinein.

NOTE : Ne pas pousser ou tirer l'émetteur-récepteur en forçant.

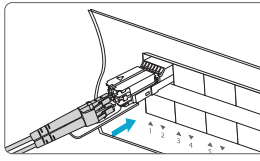
注：モジュールを無理に押し込んだり、引き抜いたりしないでください。



LC Cables Installation
Installation von LC-Kabeln
Installation des Câbles LC
LCケーブルの取り付け



MTP Cables Installation
Installation von MTP-Kabeln
Installation des Câbles MTP
MTPケーブルの取り付け



Dual LC Cables Installation
Installation von Dual-LC-Kabeln
Installation des Câbles LC Doubles
デュアルLCケーブルの取り付け

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Product Warranty

FS ensures our customers that for any damage or faulty items due to our workmanship, we will offer a free return within 30 days from the day you receive your goods. For fiber optic transceivers, we also offer replacement service if there are any quality issues within 1 year.

Produktgarantie

FS garantiert seinen Kunden, dass wir bei Beschädigungen oder fehlerhaften Artikeln, die auf unsere Verarbeitung zurückzuführen sind, eine kostenlose Rücksendung innerhalb von 30 Tagen ab dem Tag des Erhalts der Ware anbieten. Für optische Transceiver bieten wir außerdem einen Ersatzservice an, wenn es innerhalb von 1 Jahr zu Qualitätsproblemen kommt.

Garantie du Produit

FS garantit à ses clients que pour tout dommage ou article défectueux dû à notre travail, nous offrons un retour gratuit dans les 30 jours à compter de la date de réception de la marchandise. Pour les émetteurs-récepteurs à fibre optique, nous offrons également un service de remplacement en cas de problème de qualité dans un délai d'un an.

製品保証

FSは、当社の過失による製品の破損や不良品があった場合、お客様が製品を受け取った日から30日以内に無料で返品、交換をすることを保証します。光ファイバモジュールについては、1年以内に品質上の問題が発生した場合は交換サービスも提供しています。



Warranty: The products enjoy a 5-year limited warranty against defects in materials or workmanship. For more details about the warranty, please check at
https://www.fs.com/policies/warranty.html

Garantie: Für die Produkte gilt eine eingeschränkte Garantie von 5 Jahren auf Material- und Verarbeitungsfehler. Weitere Einzelheiten über die Garantie finden Sie unter
https://www.fs.com/de/policies/warranty.html

Garantie : Les produits bénéficient d'une garantie limitée de 5 ans contre les défauts de matériaux ou de fabrication. Pour plus de détails sur la garantie, veuillez consulter le site suivant
https://www.fs.com/fr/policies/warranty.html.

保証：この製品は、材料または製造上の欠陥に対して5年間の限定保証を提供します。保証の詳細については、下記のURLをご参照ください。
https://www.fs.com/jp/policies/warranty.html



Return: If you want to return the item(s), information on how to return can be found at
https://www.fs.com/policies/day_return_policy.html

Rückgabe: Wenn Sie den/die Artikel zurückgeben möchten, finden Sie Informationen zum Rückgabeverfahren unter
https://www.fs.com/de/policies/day_return_policy.html

Retour : Si vous souhaitez retourner le(s) article(s), vous trouverez des informations sur les modalités de retour à l'adresse suivante
https://www.fs.com/fr/policies/day_return_policy.html

返品/交換：返品及び交換を希望される場合、方法については下記のURLをご参照ください。
https://www.fs.com/jp/policies/day_return_policy.html

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Compliance Information

Optical Transceiver

FCC

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE

FS.COM GmbH hereby declares that this device is in compliance with the Directive 2014/30/EU, 2011/65/EU and (EU)2015/863 .A copy of the EU Declaration of Conformity is available at www.fs.com/company/quality_control.html.

Die FS.COM GmbH erklärt hiermit, dass dieses Gerät mit der Richtlinie 2014/30/EU, 2011/65/EU und (EU) 2015/863.Eine Kopie der EU-Konformitätserklärung finden Sie unter www.fs.com/de/company/quality_control.html.

FS.COM GmbH déclare par la présente que ce dispositif est conforme à la Directive 2014/30/EU, 2011/65/EU et (EU)2015/863. Une copie de la Déclaration de Conformité de l'UE est disponible à l'adresse suivante https://www.fs.com/fr/company/quality_control.html.

FS.COM INC
380 Centerpoint Blvd, New Castle, DE 19720, United States
FS.COM GmbH
Röntgenstraße 18, 85757 Karlsfeld, Germany

UKCA

Hereby, FS.COM Innovation Ltd declares that this device is in compliance with the Directive SI 2016 No. 1091 and SI 2012 NO. 3032.

FS.COM INNOVATION LTD
Unit 8, Urban Express Park, Union Way, Aston, Birmingham, B6 7FH, United Kingdom

ISED

CAN ICES-003(B)/NMB-003(B)

English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
The digital apparatus complies with Canadian CAN ICES-003(B)/NMB-003(B).

French: Cet appareil contient des émetteurs/ récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.
L'exploitation est soumise aux deux conditions suivantes :
(1) Cet appareil ne doit pas provoquer d'interférences.
(2) Cet appareil doit accepter toute interférence, y compris les interférences
susceptibles de provoquer un fonctionnement indésirable de l'appareil.
l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

RCM

The Regulatory Compliance Mark (RCM) shows that the product is safe to supply to the Australian market.



E7676

Class 1 Laser Product

This product complies with International Standards IEC/EN 60825-1 Ed.3:2014, Class 1 Laser Product, and also complies with 21 CFR 1040.10 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

WARNING! Class 1 laser products emit invisible laser radiation; it is strongly recommended not to stare into beams or view directly with optical instruments when the device or system is powered up.



Waste Electrical and Electronic Equipment (WEEE)

This appliance is labelled in accordance with European Directive 2012/19/EU concerning waste electrical and electronic equipment (WEEE). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.
To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal wasteand have to collect such WEEE separately.



Electrical Transceiver
Conversion Transceiver

FCC

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
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Loopback Transceiver

CE

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Q.C. PASSED

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