

**Safety and Regulatory Notice**  
**Sécurité et Avis de réglementation**  
**Sicherheitsvorschriften und -hinweise**

Optical Network Terminal

**GPON 452/454**

Exterior Wall Mount ONT

May 2020  
61287802F1-17B

1287802F1

This document supports the following products:

Description	P/N
ADTRAN 452 ONT 2P/2GE OD	1287802F1
ADTRAN 454 ONT 4P/4GE OD	1287803F1

## English



### WARNING!

- Read all warnings, cautions, notes, and installation instructions before installing or servicing this equipment.
- Refer to the national, state, and local electrical codes for the requirements for power, grounding, wiring, and installation methods.
- The Ethernet and POTS ports are classified as Type 4 and 4a, as defined in Telcordia GR-1089-CORE, and are suitable for connection to intra-building, unexposed, wiring or cabling only. Do not metalically connect the Ethernet or POTS ports to interfaces which connect to exposed or Outside Plant (OSP) wiring or cabling. The Ethernet and POTS ports are designed for use as intra-building interfaces only (Type 4 and 4a ports as described in GR-1089-CORE) and requires isolation from exposed OSP cabling. The addition of Primary Protectors is not sufficient protection in order to connect these interfaces metalically to OSP wiring.

## Français



### AVERTISSEMENT!

- Lisez toutes les mentions de danger et de prudence et les remarques, ainsi que la notice d'installation, avant d'effectuer l'installation ou l'entretien de cet équipement.
- Consultez les Codes de l'électricité - national, régional et local - pour connaître les exigences concernant l'alimentation, la mise à terre, le câblage, et les méthodes d'installation.
- Exigences locales peuvent s'appliquer

## Deutsch



### WARNUNG!

- Lesen Sie alle Warnungen, Gefahrenhinweise, Anmerkungen und Installationsanweisungen bevor Sie dieses Gerät installieren oder warten.
- Beziehen Sie sich auf die in den nationalen, bundesstaatlichen und lokalen elektrischen Vorschriften festgelegten Anforderungen an Stromversorgung, Erdung, Verkabelung und Installationsmethoden.
- Es gelten vorhandene lokale Anforderungen

## English



### CAUTION!

This product contains or uses a Class 1 Laser module that complies with FDA 21 CFR 1040.10, 1040.11 and IEC 60825-1. For continued compliance with the above standards, only approved Class 1 laser modules from an ADTRAN approved vendor list (located on the ADTRAN website) should be installed in this product. ADTRAN cannot certify system integrity with other laser modules.



### CAUTION!

- Electrostatic Discharge (ESD) can damage electronic devices. When handling devices, wear an antistatic discharge wrist strap to prevent damage to electronic components. Place devices in antistatic packing material when transporting or storing. When installing or maintaining, always place devices on an approved antistatic mat that is electrically grounded.
- This equipment contains no parts that can be serviced by the user.
- The protective earth (PE) ground screw of this device must be properly tightened to the grounding post of the Network Interface Device (NID) in order to meet safety requirements. The PE terminal of the NID must be properly grounded utilizing a 6 AWG ground wire.

## Français



### ATTENTION!

Ce produit contient ou utilise un module Laser de classe 1 qui est conforme avec la FDA 21 CFR 1040.10, 1040.11 et IEC 60825-1. Pour le maintien de la conformité avec les normes ci-dessus, seulement approuvé classe 1 modules laser d'un ADTRAN approuvés liste des fournisseurs (situé sur le site ADTRAN) doit être installé dans ce produit. ADTRAN ne peut certifier l'intégrité du système avec d'autres modules laser.



### ATTENTION!

- Les décharges électrostatiques (ESD) peuvent endommager les appareils électroniques. Lors de la manipulation des appareils, portez un bracelet antistatique, afin d'éviter d'endommager les composants électroniques. Mettez les appareils dans un emballage antistatique, lors de leur transport ou de leur entreposage. Lors de leur installation ou de leur entretien, les appareils doivent toujours être placés sur un tapis antistatique homologué, qui est mis à terre.
- Il n'existe aucune pièce pouvant être réparée par l'utilisateur à l'intérieur de cet équipement.
- La vis de mise à terre de protection (PE) de cet appareil doit être bien serrée à l'embout de mise à terre du dispositif d'interface réseau (DIR), pour être conforme aux exigences de sécurité. La borne de mise à terre de protection (PE) du DIR doit être correctement mise à terre par l'intermédiaire d'un fil de mise à terre de 6 AWG.

## Deutsch



### VORSICHT!

Das Produkt enthält oder verwendet Klasse 1 Laser-Module, die 60825-1 mit FDA 21 CFR 1040.10, 1040.11 und IEC erfüllen. Damit die obigen Richtlinien auch in Zukunft eingehalten werden können, dürfen ausschließlich Klasse 1 Laser-Module von einem von ADTRAN zugelassenen Anbieter in dem Produkt installiert werden (siehe Website von ADTRAN). ADTRAN garantiert nicht für die Systemintegrität bei anderen Lasermodulen



### VORSICHT!

- Elektrostatische Entladung (ESD) kann elektronische Geräte beschädigen. Tragen Sie bei der Handhabung von Geräten ein Antistatik-Armband mit Erdungskabel, um Schäden an elektronischen Komponenten zu vermeiden. Während des Transports oder bei der Lagerung müssen Geräte in antistatischem Verpackungsmaterial gelegt werden. Geräte bei der Installation oder Wartung immer auf einer zugelassenen antistatischen, elektrisch geerdeten Matte stellen.
- In diesem Gerät befinden sich keine Teile, die direkt vom Benutzer bedient werden können.
- Die Erdungsschraube der Schutzterde (PE) dieses Geräts muss ordnungsgemäß am Erdungsposten des Netzwerk-Schnittstellengeräts (NID) angezogen werden, um den Sicherheitsanforderungen zu genügen. Die Schutzleiterklemme des NID muss ordnungsgemäß unter Verwendung eines Erdungsdrahts mit 6 AWG (American Wire Gauge) geerdet werden.

## NOTES

- This product meets EU RoHS Directive. Refer to [www.adtran.com](http://www.adtran.com) for further information on RoHS/WEEE.
- This product is NRTL Listed to the applicable UL Standards.
- This product is intended for deployment in the Outside Plant (OSP) at locations where the NEC applies (for example, Customer Premises) and is intended to be installed by trained service personnel. Care should be taken to protect cables from damage or vandalism.

- This product is designed to be deployed in GR- 3108-CORE environmental Class 2.
- 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.
  2. This device must accept any interference received, including interference that may cause undesired operation.
- 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
- CAN ICES-3(B)/NMB-3(B)
- The power and alarm cable between the UPS and the ONT is intended to be less than 100 feet. If cables are installed outdoors, they should have adequate clearance from power and lightning conductors in accordance with NEC 725 and 800. Installations should be in accordance with NEC 840. Final acceptance of the Listed equipment installation will ultimately be up to the local Authority Having Jurisdiction (AHJ).
- This product is designed to operate with nominal operating voltage of 12 VDC.
- Changes or modifications not expressly approved by ADTRAN will void the warranty.



**CAUTION!**

SUBJECT TO ELECTROSTATIC DAMAGE  
OR DECREASE IN RELIABILITY  
HANDLING PRECAUTIONS REQUIRED

**ADTRAN CUSTOMER CARE:**

**From within the U.S. 1.800.726.8663**

**From outside the U.S. +1 256.963.8716**

**PRICING AND AVAILABILITY 1.800.827.0807**

