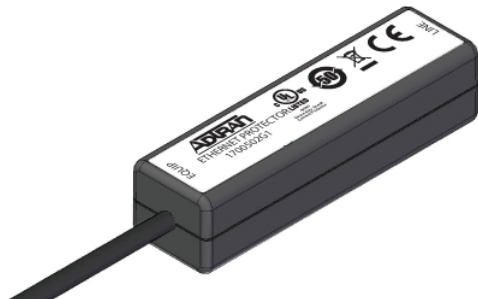


NetVanta Ethernet Port Protection Device

P/N 1700502G1



SPECIFICATIONS

Electrical	Insertion Loss: Less than 1 dB Return Loss: Greater than 15 dB
Compliance	FCC Part 15 Class B, EN 386 300, EN 300 019-1 Class 1.2, EN 300 019-2 Class 2.3, EN 300 019-3 Class 3.3 EN 60950-1, IEC 60950-1, AS/NZS 60950-1, UL 497A, CAN/CSA C22.2 No. 226-92 GR-1089-CORE, ITU K.20, ITU K.21, ITU K.45 RoHS compliant (Telecommunication exemption)
Physical	Dimensions: 1.25-inch W x 1.13-inch H x 4.50-inch D Operating Temperature: -40°C to 65°C Storage Temperature: -40°C to 85°C Relative Humidity: Up to 99 percent, noncondensing

NETVANTA EPPD BUNDLES FOR COMMON APPLICATIONS

Part Number	Bundle	Application
1700502G1	One NetVanta Ethernet Port Protection Device (EPPD)	Provides Ethernet circuit protection when installed between a device and the OSP Ethernet cable.
4700502G1	Bundle of two NetVanta EPPDs	Provides full Ethernet circuit protection when installed on both ends of the OSP Ethernet cable.
4700502G2	Bundle of two NetVanta EPPDs and one Single Port Power over Ethernet (PoE) Injector (P/N 1700920F1)	Provides full Ethernet circuit protection as well as PoE for downstream PDs.

CAUTION



- **For full Ethernet circuit protection, an EPPD must be installed on both ends of the OSP Ethernet cable.**
- **EPPDs do not support direct powering from a Power over Ethernet (PoE) powering device to downstream PDs. A NetVanta PoE Injector (P/N 1700920F1) must be installed to power downstream PDs. For more information, refer to Single Port PoE Injector Quick Start Guide shipped with the device or online at <https://supportforums@adtran.com>.**

DESCRIPTION

The NetVanta Ethernet Port Protection Device (EPPD) is a single port Ethernet surge protector for outside plant (OSP) environments where Ethernet cabling is exposed to external hazards.

During a power failure or lightning strike the **LINE** side of the EPPD minimizes the voltages and current levels transferred to the Ethernet port of the equipment being protected, allowing the Ethernet port to continue functioning properly. Additionally, the EPPD protects itself and the Ethernet port from becoming a fire or fragmentation hazard.

WARNING

*The cable extending from the EPPD's equipment port (labeled **EQUIP**) is suitable for connection to intra building or unexposed wiring or cabling only. Do not metalically connect this port to interfaces which directly connect to the OSP or OSP wiring.*

EPPD INSTALLATION INSTRUCTIONS

1. Insert the Ethernet cable extending from the **EQUIP** port of the FIRST EPPD into the Ethernet port of the equipment to be protected.
2. Connect the exposed OSP Ethernet cable into the FIRST EPPD's port labeled **LINE**.
3. If applicable, repeat Steps 1 and 2 on the other end of the exposed OSP Ethernet cable using the SECOND EPPD.
4. If applicable, install the Single Port PoE Injector between the EPPD and the downstream PD. For more information, refer to [Single Port PoE Injector Quick Start Guide](#) shipped with the device or online at <https://supportforums@adtran.com>.

SAFETY AND REGULATORY COMPLIANCE

WARNING

- *Read all warnings and cautions before installing or servicing this equipment.*
- *The Ethernet Equipment port is classified as Type 2 or 4, as defined in Appendix B of GR-1089-CORE, and is suitable for connection to intra-building or unexposed wiring or cabling only. Do not metalically connect this port to interfaces which connect to the Outside Plant (OSP) or to the OSP wiring. The addition of Primary Protectors is not sufficient protection in order to connect this interface metalically to OSP wiring.*

CAUTION!



Electrostatic Discharge (ESD) can damage electronic modules. When handling modules, wear an antistatic discharge wrist strap to prevent damage to electronic components. Place modules in antistatic packing material when transporting or storing. When working on modules, always place them on an approved antistatic mat that is electrically grounded.

NetVanta Ethernet Port Protection Device**P/N 1700502G1****NOTE**

- *The Ethernet Line port is classified as Type 1, 2, 3a, 3b, 4, 5a, or 5b as defined in Appendix B of GR-1089-CORE. If deployed as type 1, 3a, 3b, 5a, or 5b the ports meet the lightning and power fault criteria with any primary protector that meets any of the voltage limits of GR-974-CORE or GR-1361-CORE (that is, carbon blocks, gas tubes, and so forth). If deployed as 2 or 4 ports, primary protectors are not required.*
- *Solid-state primary protectors are not recommended as they will adversely affect the signal integrity of the Ethernet signal.*
- *Per GR-1089-CORE Section 9, this product is not DC powered and therefore is not classified as either DC-C or DC-I.*
- *The product is designed to be deployed in GR-3108-CORE environmental class 1 and 3 as defined in GR-3108-CORE issue 2.*

This product is NRTL Listed to UL 497A for use as a secondary telecommunications protector and meets or exceeds all the applicable requirements of NEBS, Telcordia GR-63-CORE, GR-3108-CORE (Class 1, 2, and 3), and GR-1089-CORE. It has been approved for UL 497A, IEC 60950-1, and CE Mark.

This product is intended for deployment in Central Office type facilities, EEEs, EECs, cells sites, and locations where the NEC applies (ex., Customer Premises).

Changes or modifications not expressly approved by ADTRAN could void the user's authority to operate this equipment. This product is designed to meet the following environmental classes:

- ETSI EN 300 019-1-1 "Classification of environmental conditions; Storage," Class 1.2
- ETSI EN 300 019-1-2 "Classification of environmental conditions, Transportation," Class 2.3
- ETSI EN 300 019-1-3 "Classification of environmental conditions, Stationary use at weather protected locations," Class 3.3

The equipment is designed to function without degradation during exposure to all test severities per Class 3.3 of ETSI EN 300 019-1-3.

The EPPD meets EU RoHS Directive 2002/95/EC and/or applicable exemptions. Refer to www.adtran.com for further information on RoHS/WEEE.

FRANÇAIS**ATTENTION**

Lisez tous les avertissements et mises en garde avant l'installation de cet équipement ou la réalisation de toute opération de maintenance.



L'ESD (décharge électrostatique) peut endommager les modules électroniques. Lors de la manipulation des modules, portez un bracelet de décharge antistatique pour éviter d'endommager les composants électroniques. Placez les modules dans un emballage antistatique lors du transport ou du stockage. Lorsque vous travaillez sur les modules, placez-les toujours sur un tapis antistatique certifié muni d'un branchement de mise à la terre.

Ce produit est conçu pour répondre aux classes environnementales suivantes:

- ETSI EN 300 019-1-1 Classification des conditions d'environnement; Entreposage, classe 1.2
- ETSI EN 300 019-1-2 Classification des conditions d'environnements; Transport, classe 2.3
- ETSI EN 300 019-1-3 Classification des conditions d'environnements; l'utilisation à poste fixe dans des endroits protégés contre les intempéries, classe 3.3

L'équipement est conçu pour fonctionner sans dégradation lors des tests à tous les niveaux de sévérité, suivant les spécifications de la classe 3.3 de l'ETSI EN 300 019-1-3.

Ce produit est conforme à la directive européenne RoHS 2002/95/CE et/ou aux exonérations applicables. Reportez-vous à www.adtran.com pour de plus amples renseignements sur RoHS/WEEE.

DEUTSCH**WARNUNG**

Lesen Sie sich alle Warn- und Sicherheitshinweise durch, bevor Sie dieses Gerät installieren oder warten.



Elektrostatische Entladung können elektronische Module beschädigen. Tragen Sie beim Umgang mit Modulen ein Erdungsarmband, um Schäden an den elektronischen Komponenten zu vermeiden. Transportieren oder lagern Sie Module in antistatischem Verpackungsmaterial. Bei der Arbeit an den Modulen, achten Sie darauf, diese stets auf antistatische, elektrisch geerdete Matten zu legen.

Dieses Produkt wurde entsprechend der folgenden Umweltklassen entwickelt:

- ETSI EN 300 019-1-1 Klassifikation von Umweltbedingungen, Lagerung, Klasse 1.2
- ETSI EN 300 019-1-2 Klassifikation von Umweltbedingungen, Transport, Klasse 2.3
- ETSI EN 300 019-1-3 Klassifikation von Umweltbedingungen, Stationärer Einsatz ohne Witterungseinflüsse, Klasse 3.3

Dieses Gerät funktioniert ohne Leistungsabfall während aller für Klasse 3.3 von ETSI EN 300 019-1-3 vorgeschriebenen Belastungstests.

Dieses Produkt erfüllt die EU RoHS Richtlinie 2002/95/EC und/ oder gültige Ausnahmen. Bitte besuchen Sie www.adtran.com für ausführlichere Informationen zu RoHS/WEEE.