

## Compliance and Environmental information

# PoLRE® LPC Switch Phylink Adapter

## Beyond PoE: Delivering Power over Long Reach Ethernet

The PoLRE (Power over Long Range Ethernet) family of data switches delivers Ethernet and Power over Ethernet on a single pair of telephony grade wire (CAT3) with 4 times the reach of traditional data switches. With the PoLRE Switch and Phylink Adapter, customers can transform their existing voice infrastructure into an IP network with power ideal for IP telephony deployment.

### Compliance Information

The PoLRE Switch model PL-08 and the Phylink Adapter model PL-PA011 comply with or have obtained Regulatory Agency approvals at least against the following standards:

- EMC – Emissions FCC Part 15, ICES-003, EN 55032:2015, BS EN 55032:2015  
(PoLRE = class A, Phylink = class B)
- EMC – Immunity EN 55035:2017, BS EN 55035:2017
- Safety IEC 62368-1:2014, EN 62368-1:2014 + A11, BS EN 62368-1:2014 + A11  
UL 60950-1 2<sup>nd</sup> Ed 2014-10-14, CAN/CSA C22.2 No. 60950-1-07 2<sup>nd</sup> Ed  
2014-10, AS/NZS 62368.1:2018

### EN 55032, BS EN 55032 and CISPR32 Statement and Class A Warning

- Statement: The Phylink Adapter is a Class B product
- Warning: The PoLRE Switch is a Class A product that may cause radio interference.  
In this case the user may be required to take adequate measures.

### FCC Part 15 Statement

#### Phylink Adapter

This digital 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 when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, 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 Phybridge Inc. Technical Support for assistance

#### PoLRE Switch

This digital equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his or her own expense.

#### ISED Statement

##### Phylink Adapter

This digital equipment does not exceed Class B limits for radio noise emissions for digital apparatus, set out in Radio Interference Regulation of ISED Canada.

Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps necessary to correct the interference.

##### PoLRE Switch

This digital equipment does not exceed Class A limits for radio noise emissions for digital apparatus, set out in Radio Interference Regulation of ISED Canada.

#### Notice d'ISDE

##### Phylink Adapter

Cet équipement n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la Classe B prescrites dans le Règlement sur le brouillage radioélectrique établi par l'ISDE Canada. L'exploitation faite en milieu résidentiel peut entraîner le brouillage des réceptions de radio et de télévision, ce qui obligerait le propriétaire ou l'opérateur à prendre les dispositions nécessaires pour en éliminer les causes.

##### PoLRE Switch

Cet équipement ne dépasse pas les limites de Classe A d'émission de bruits radioélectriques pour les appareils numériques, telles que prescrites par le Règlement sur le brouillage radioélectrique établi par l'ISDE Canada.

EU Directives: EMC + Safety + RoHS

 NVT PHYBRIDGE

## DECLARATION OF CONFORMITY

We **NVT Phybridge** declare under our sole responsibility that the products:

**PoLRE Switch**  
Consisting of Model PL-08

**Phylink Adapter**  
Consisting of Model PL-PA011

to which this declaration relates, are in conformity with the following European Directives:

2014/30 (EMC)  
2014/35 (Safety)  
2011/65 (RoHS Recast)  
2015/863 (amending RoHS Recast)

The standards used to show compliance are:

EN 55032	2015 + A11
EN 55035	2017 + A11
EN 61000-3-2	2006 + A1 + A2
EN 61000-3-3	2008
EN 62368-1	2014 + A11
EN 63000	2018

The technical file is kept at: *NVT Phybridge*  
*3457 Superior Court*  
*Unit 3*  
*Oakville, Ontario L6L 0C4*  
*Canada*

Oakville, 9 July, 2022

  
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- PHYBRIDGE vakuuttaa täten että PoLRE Switch + Phylink Adapter tyyppinen laite on direktiivin 2014/30, 2014/35, 2011/65, 2015/863 oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
- Hierbij verklaart PHYBRIDGE dat het toestel PoLRE Switch + Phylink Adapter in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/30, 2014/35, 2011/65, 2015/863.
- Par la présente PHYBRIDGE déclare que les PoLRE Switch + Phylink Adapter sont conformes aux exigences essentielles et aux autres dispositions pertinentes des Directives 2014/30, 2014/35, 2011/65, 2015/863.

- Härmed intygar PHYBRIDGE att denna PoLRE Switch + Phylink Adapter står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Undertegnede PHYBRIDGE erklærer herved, at følgende udstyr PoLRE Switch + Phylink Adapter overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Hiermit erklärt PHYBRIDGE, dass sich dieses PoLRE Switch + Phylink Adapter in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 2014/30, 2014/35, 2011/65, 2015/863 befindet (BMW).
- ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ PHYBRIDGE ΔΗΛΩΝΕΙ ΟΤΙ PoLRE Switch + Phylink Adapter ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/30, 2014/35, 2011/65, 2015/863.
- Con la presente PHYBRIDGE dichiara che questo PoLRE Switch + Phylink Adapter è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/30, 2014/35, 2011/65, 2015/863.
- Por medio de la presente PHYBRIDGE declara que el PoLRE Switch + Phylink Adapter cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE declara que este PoLRE Switch + Phylink Adapter está conforme com os requisitos essenciais e outras disposições da Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- Hawnhekk, PHYBRIDGE, jiddikjara li dan PoLRE Switch + Phylink Adapter jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 2014/30, 2014/35, 2011/65, 2015/863.
- Käesolevaga kinnitab PHYBRIDGE seadme PoLRE Switch + Phylink Adapter vastavust direktiivi 2014/30, 2014/35, 2011/65, 2015/863 põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
- Alulírott, PHYBRIDGE nyilatkozom, hogy a PoLRE Switch + Phylink Adapter megfelel a vonatkozó alapvető követelményeknek és az 2014/30, 2014/35, 2011/65, 2015/863 irányelv egyéb előírásainak.
- PHYBRIDGE týmto vyhlasuje, že PoLRE Switch + Phylink Adapter spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE tímto prohlašuje, že tento PoLRE Switch + Phylink Adapter je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/30, 2014/35, 2011/65, 2015/863.
- Šiuo PHYBRIDGE deklaruoja, kad šis PoLRE Switch + Phylink Adapter atitinka esminius reikalavimus ir kitas 2014/30, 2014/35, 2011/65, 2015/863 Direktyvos nuostatas.
- Ar šo PHYBRIDGE deklarē, ka PoLRE Switch + Phylink Adapter atbilst Direktīvas 2014/30, 2014/35, 2011/65, 2015/863 būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
- PHYBRIDGE izjauja, da je ta PoLRE Switch + Phylink Adapter skladu z bistvenimi zahtevami in ostalimi relevantnimi določili directive 2014/30, 2014/35, 2011/65, 2015/863.
- Hér með lýsir PHYBRIDGE yfir því að PoLRE Switch + Phylink Adapter er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/30, 2014/35, 2011/65, 2015/863.
- Niniejszym PHYBRIDGE oświadcza, że PoLRE Switch + Phylink Adapter jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE erklærer herved at utstyret PoLRE Switch + Phylink Adapter er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Noi PHYBRIDGE declarăm că aparatul PoLRE Switch + Phylink Adapter este în conformitate cu cerințele esențiale și cu alte prevederi relevante ale Hotărârii Guvernului nr.88/2003 și Directivei 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE декларирам на своя отговорност, че далекосъобщително устройство PoLRE Switch + Phylink Adapter съответства на съществените изисквания по 2014/30, 2014/35, 2011/65, 2015/863.

## UKCA DECLARATION OF CONFORMITY

We **NVT Phybridge** declare under our sole responsibility that the products:

**PoLRE Switch**  
Consisting of Model PL-08

**Phylink Adapter**  
Consisting of Model PL-PA011

to which this declaration relates, are in conformity with the following UK Regulations:

2016 N°1091 - Electromagnetic Compatibility – as amended in 2019, 2020  
2016 N°1101 - Electric Equipment (Safety) – as amended in 2019, 2020  
2012 N°3032 - RoHS – as amended in 2019, 2020

The standards used to show compliance are:

BS EN 55032	2015 + A11
BS EN 55035	2017 + A11
BS EN 61000-3-2	2006 + A1 + A2
BS EN 61000-3-3	2008
BS EN 62368-1	2014 + A11
BS EN 63000	2018

The technical file is kept at: *NVT Phybridge*  
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Oakville, 9 July, 2022

  
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## Environmental Information

### Waste Electrical and Electronic Equipment – WEEE

The WEEE (Waste Electrical and Electronic Equipment) legislation aims to raise the level of recycling of electrical and electronic equipment and to encourage designers to create products with recycling in mind.

The PoLRE Switch + Phylink Adapter and associated equipment (Power supply, etc.) that you bought have required the extraction and use of natural resources for their production. They may contain hazardous substances that could impact health and the environment.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end-of-life equipment in a sound way.



The crossed-out wheeled bin symbol invites you not to dispose of WEEE as unsorted municipal waste and to collect such WEEE separately.

If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration.

You can also contact us for more information on the environmental performances of our products.

### Compliance to China RoHS – 符合中国RoHS

部件名称 (Parts)	有毒有害物质或元素 (Hazardous Substances)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (CrV)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
主板 (Boards)	0	0	0	0	0	0
电缆 (Cables)	0	0	0	0	0	0
机箱 (Chassis)	0	0	0	0	0	0
盖板 (Cover)	0	0	0	0	0	0

**0** 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 标准规定的限量要求以下。

Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

**X** 表示该有毒有害物质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。

Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard.



### Making changes or modifications

Any changes or modifications not expressly approved by Phybridge will void any compliance and regulatory approval, and will void the user's authority to operate the equipment.