

Compliance and Environmental information

EC10 Switch EC-Link Media Converter EC4 Media Converter

Beyond PoE: Delivering Power over Long Reach Ethernet

CLEER (Coax Leveraged Ethernet Extended Reach) switches are based on Phybridge's proven PoLRE® (Power over Long Reach Ethernet) technology.

EC10 is a 10 port managed Ethernet over Coax switch that transforms existing proven reliable COAX infrastructure into an IP path with power; ideal for IP Cameras. CLEER switches are designed specifically to enable easy migration from Analog to IP cameras without disrupting the Data LAN.

Compliance Information

The EC10, the EC-Link and the EC4 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 (class A)
- EMC – Immunity EN 55035:2017, BS EN 55035:2017
EN 50121-4:2015, BS EN 50121-4:2015
- Safety IEC 62368-1:2014, EN 62368-1:2014 + A1, BS EN 62368-1:2014 + A11
UL 60950-1 2nd Ed 2014-10-14, CAN/CSA C22.2 No. 60950-1-07 2nd Ed 2014-10,
AS/NZS 62368.1:2018

EN 55032, BS EN 55032 and CISPR32 Class A Warning

The EC10, the EC-Link and the EC4 are Class A products that may cause radio interference. In this case the user may be required to take adequate measures.

FCC Part 15 Statement

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

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

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



DECLARATION OF CONFORMITY

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

**EC10
EC-Link
EC4**

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 50121-4	2015
EN 61000-3-2	2006 + A1 + A2
EN 61000-3-3	2013
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


John Croce
CEO

3457 Superior Court, Unit 3, Oakville, ON L6L 0C4, Canada
Phone: (905) 901-3633 Fax: (866) 252-9148 www.nvtphybridge.com

- PHYBRIDGE vakuuttaa täten että EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Hiermit erklärt PHYBRIDGE, dass sich dieses EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 está conforme com os requisitos essenciais e outras disposições da Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- Hawnhekk, PHYBRIDGE, jiddikjara li dan EC10 + EC-LINK + EC4 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Direttiva 2014/30, 2014/35, 2011/65, 2015/863.
- Käesolevaga kinnitab PHYBRIDGE seadme EC10 + EC-LINK + EC4 vastavust direktiivi 2014/30, 2014/35, 2011/65, 2015/863 põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
- Alulírott, PHYBRIDGE nyilatkozom, hogy a EC10 + EC-LINK + EC4 megfelel a vonatkozó alapvető követelményeknek és az 2014/30, 2014/35, 2011/65, 2015/863 irányelv egyéb előírásainak.
- PHYBRIDGE týmto vyhlasuje, že EC10 + EC-LINK + EC4 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE tímto prohlašuje, že tento EC10 + EC-LINK + EC4 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/30, 2014/35, 2011/65, 2015/863.
- Šiuo PHYBRIDGE deklaruoja, kad šis EC10 + EC-LINK + EC4 atitinka esminius reikalavimus ir kitas 2014/30, 2014/35, 2011/65, 2015/863 Direktyvos nuostatas.
- Ar šo PHYBRIDGE deklarē, ka EC10 + EC-LINK + EC4 atbilst Direktīvas 2014/30, 2014/35, 2011/65, 2015/863 būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
- PHYBRIDGE izjauja, da je ta EC10 + EC-LINK + EC4 skladu z bistvenimi zahtevami in ostalimi relevantnimi določili directive 2014/30, 2014/35, 2011/65, 2015/863.
- Hér með lýsir PHYBRIDGE yfir því að EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE erklærer herved at utstyret EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 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 EC10 + EC-LINK + EC4 съответства на съществените изисквания по 2014/30, 2014/35, 2011/65, 2015/863.

UK Regulations: EMC + Safety + RoHS

 NVT PHYBRIDGE

UKCA DECLARATION OF CONFORMITY

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

**EC10
EC-Link
EC4**

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 50121-4	2015
BS EN 62368-1	2014 + A11
BS EN 63000	2018

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3457 Superior Court, Unit 3, Oakville, ON L6L 0C4, Canada
Phone: (905) 901-3633 Fax: (866) 252-9148 www.nvtphybridge.com

NVT Phybridge UK contact
31 Chertsey Street
Guilford
GU1 4HD

Tel: +44 (0) 208 977 6614

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 EC10 + EC-Link + EC4 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.