Compliance and Environmental information

EC-Link
EC-Link+
EC-Base

Beyond PoE: Delivering Power over Long Reach Ethernet

The EC family of media converters delivers Ethernet and Power over Ethernet over Coax cable with multiple times the reach of traditional Ethernet. With the EC, customers can transform their existing Coax infrastructure for IP camera and IP phone deployment

Compliance Information

The EC-Link, the EC-Link+ and the EC-Base 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 for EC-Link, and class B for EC-Link+ and EC-Base)
- 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 +A 11, 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 Warning

The EC-Link is a Class A product.

EN 55032, BS EN 55032 and CISPR32 Statement

The EC-Link+ and the EC-Base are Class B products.

FCC Part 15 Statement

The EC-Link 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.

The EC-Link+ and the EC-Base have 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

ISED Statement

The EC-Link does not exceed Class A limits for radio noise emissions for digital apparatus, set out in Radio Interference Regulation of ISED Canada.

The EC-Link+ and the EC-Base do 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.

Notice d'ISDE

L'EC-Link 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.

Les EC-Link+ et EC-Base n'émettent 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 entrainer 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.

EU Directives: EMC + Safety + RoHS

NVT PHYBRIDGE

DECLARATION OF CONFORMITY

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

EC-Link
EC-Link+
EC-Base

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 62368-1	2014 + A11
EN 63000	2018

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

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- PHYBRIDGE vakuuttaa täten että EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Hiermit erklärt PHYBRIDGE, dass sich dieses EC-Link + EC-Link+ + EC-Base in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 2014/30, 2014/35, 2011/65, 2015/863 befindet (BMWi).
- ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ PHYBRIDGE ΔΗΛΩΝΕΙ ΟΤΙ EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base está conforme com os requisitos essenciais e outras disposições da Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- Hawnhekk, PHYBRIDGE, jiddikjara li dan EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base vastavust direktiivi 2014/30, 2014/35, 2011/65, 2015/863 põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
- Alulírott, PHYBRIDGE nyilatkozom, hogy a EC-Link + EC-Link+ + EC-Base megfelel a vonatkozó alapvetõ követelményeknek és az 2014/30, 2014/35, 2011/65, 2015/863 irányelv egyéb elõírásainak.
- PHYBRIDGE týmto vyhlasuje, že EC-Link + EC-Link+ + EC-Base spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE tímto prohlašuje, že tento EC-Link + EC-Link+ + EC-Base je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/30, 2014/35, 2011/65, 2015/863.
- Šiuo PHYBRIDGE deklaruoja, kad šis EC-Link + EC-Link+ + EC-Base atitinka esminius reikalavimus ir kitas 2014/30, 2014/35, 2011/65, 2015/863 Direktyvos nuostatas.
- Ar šo PHYBRIDGE deklarē, ka EC-Link + EC-Link+ + EC-Base atbilst Direktīvas 2014/30, 2014/35, 2011/65, 2015/863 būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
- PHYBRIDGE izjavlja, da je ta EC-Link + EC-Link+ + EC-Base skladu z bistvenimi zahtevami in ostalimi relevantnimi določili directive 2014/30, 2014/35, 2011/65, 2015/863.
- Hér með lýsir PHYBRIDGE yfir því að EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE erklærer herved at utstyret EC-Link + EC-Link+ + EC-Base 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 EC-Link + EC-Link+ + EC-Base este în conformitate cu cerinţele esenţiale şi cu alte prevederi relevante ale Hotărârii Guvernuluinr.88/2003 şi Directivei 2014/30, 2014/35, 2011/65, 2015/863.
- PHYBRIDGE декларирам на своя отговорност, че далекосъобщително устройство EC-Link + EC-Link+ + EC-Base 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:

EC-Link
EC-Link+
EC-Base

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

The technical file is kept at: *NVT Phybridge*
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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 EC-Link, EC-Link+ and EC-Base 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 (Board)	O	O	O	O	O	O
机箱 (Chassis)	O	O	O	O	O	O
盖板 (Cover)	O	O	O	O	O	O

O 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.

Safety Warnings and Precautions

Access to the interior of this unit shall be made only by a qualified technician.
To ensure adequate cooling of the equipment, a 2-inch unobstructed space must be provided around all sides of the unit.

Der Zugang ins Innere des Gerätes ist nur einem fachlich qualifizierten Techniker gestattet.
Um die Kühlung des Gerätes nicht zu beeinträchtigen, ist es notwendig, an allen Seiten des Gerätes ca 5 cm Raum zu lassen.

Seul un spécialiste doit avoir accès l'appareil.
Afin de ne pas nuire au processus de refroidissement, il est nécessaire de laisser un espace d'environ 5 cm de chaque côté de l'appareil.

El acceso al interior de esta unidad sólo debe ser realizado por un técnico cualificado.
Para asegurar un enfriamiento adecuado del equipo, se debe proporcionar un espacio libre de 5 cm alrededor de todos los lados de la unidad.

L'accesso all'interno di questa unità `deve essere effettuata solo da un tecnico qualificato.
Per garantire un adeguato raffreddamento dell'apparecchiatura, è necessario disporre di uno spazio libero da 5 cm su tutti i lati dell'apparecchio.

Достъп до вътрешността на този уред трябва да се извършва само от квалифициран техник.
За да се осигури подходящо охлаждане на оборудването, трябва да се осигури свободно пространство от 5 см около всички страни на устройството.

Juurdepääs interjööri selle üksuse tehakse ainult kvalifitseeritud tehnik.
Seadme piisava jahutuse tagamiseks tuleb seadme kõigist külgedest paigutada 5 cm vaba ruumi.

Η πρόσβαση στο εσωτερικό της μονάδας πρέπει να γίνεται μόνο από εξειδικευμένο τεχνικό.
Για να εξασφαλιστεί επαρκής ψύξη του εξοπλισμού, πρέπει να υπάρχει ένας ελεύθερος χώρος 5 cm γύρω από όλες τις πλευρές της μονάδας.

Piekļuve interjera šīs vienības veic tikai kvalificēts tehniķis.
Lai nodrošinātu iekārtu pietiekamu dzesēšanu, visās ierīces malās jānodrošina 5 cm brīvas vietas.

Prieiga prie šio įrenginio viduje, turi būti atlikti tik kvalifikuotas specialistas.
Siekiant užtikrinti tinkamą įrangos aušinimą, visose įrenginio pusėse turi būti 5 cm laisvos erdvės.

A készülék belsejét csak szakképzett szakember végezheti.
A berendezés megfelelő hűtésének biztosítása érdekében a készülék minden oldalán 5 cm szabad területet kell biztosítani.

Toegang tot het interieur van dit toestel wordt alleen door een gekwalificeerde technicus uitgevoerd.
Om een adequate koeling van de apparatuur te garanderen, moet er een 5 cm onbelemmerde ruimte rondom alle kanten van het apparaat worden aangebracht.

Tilgang til det indre av denne enheten skal kun utføres av en kvalifisert tekniker..
For å sikre tilstrekkelig kjøling av utstyret, må det plasseres 5 cm uhindret plass rundt alle sider av enheten.

Dostęp do wnętrza tego urządzenia wykonuje tylko wykwalifikowany technik.
W celu zapewnienia odpowiedniego chłodzenia urządzenia, wokół wszystkich stron urządzenia musi znajdować się 5 cm bez przeszkód.

O acesso ao interior desta unidade deve ser efectuado apenas por um técnico qualificado.
Para garantir um arrefecimento adequado do equipamento, deve ser fornecido um espaço livre de 5 cm em todos os lados da unidade.

Accesul la interiorul acestui aparat trebuie efectuat numai de către un tehnician calificat.
Pentru a asigura o răcire adecvată a echipamentului, trebuie să fie prevăzut un spațiu liber de 5 cm în jurul tuturor părților componente ale unității.

Dostop do notranjosti te enote se izvede le strokovnjak.
Za zagotovitev ustreznega hlajenja opreme je treba na vseh straneh enote namestiti 5 cm neoviran prostor.

Prístup do interiéru tohto prístroja môže vykonať iba kvalifikovaný technik.
Aby bolo zabezpečené dostatočné chladenie zariadenia, musí byť okolo všetkých strán jednotky k dispozícii priestor vo výške 5 cm.

Tämän laitteen sisätilojen saa suorittaa ainoastaan pätevä teknikko.
Laitteen riittävän jäähdytyksen varmistamiseksi on järjestettävä 5 cm: n esteettömät tilat laitteen ympärille.

Tillgång till det inre av denna enhet ska endast utföras av en kvalificerad tekniker.
För att säkerställa tillräcklig kylning av utrustningen måste ett 5 cm obegränsat utrymme vara anordnat runt alla sidor av enheten.

Aðgangur að innanverðu þessa eininga skal aðeins gerð af viðurkenndum tæknimanni.
Til að tryggja fullnægjandi kælingu búnaðarins verður að vera með 5 cm óhindrað pláss í kringum alla hliðina á tækinu.

Aċċess għall-intern ta 'din l-unità għandha ssir biss minn tekniku kkwalifikat.
Biex tkun żgurata t-tkessiħ adegwat tat-tagħmir, għandu jiġi pprovdut spazju bla xkiel ta '5 ċm madwar in-naħat kollha tal-unità.

Adgang til det indre af denne enhed skal kun foretages af en kvalificeret tekniker.
For at sikre tilstrækkelig afkøling af udstyret skal der være en 5 cm uhindret plads på alle sider af enheden.

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.