

Cambium Networks Ltd declares under its sole responsibility that the products, to which this declaration relates, conform to the applicable essential requirements of the following Directive(s) of the Council of the European Communities:

- 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC
- 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive)

**Products:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Manufacturer:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Description:** Point-to-Point Wireless Ethernet Bridge

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Description	Part Number	Applicable Directives
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variants:** The 3 GHz PTP 450i system includes Integrated 19 dBi dual slant antenna (Cambium Networks P/N C030045D901A) and Connectorised Antenna versions for use with Dedicated External antennas and may be supplied with optional Enhanced or Standard PoE, Gigabit Surge Protector or Lightning Protection Unit (PTP-LPU)

**Note:** The nominal gains of the dedicated external antennas are specified below

Integrated Antenna	Nominal Gain
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Conformity:** Methods used to demonstrate conformity:

**Radio Equipment Directive:-**

- Annex II using harmonized standards
  - Article 3.1(a) Safety: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Health EME: EN 50385:2017
  - Article 3.1(b) EMC standards: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio performance: EN 302 326-2 V1.2.2


**ROHS Directive:-** EN50581: 2012


Year of first application of CE mark: 2019

Dated: 14-01-2021

Place: Ashburton

**Signatures:**

  
Name: Nigel King Title: Chief Technical Officer

  
Name: Vibhu Vivek Title: Senior Vice President Products

**Keeper of the TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
This Declaration of Conformance is stored as document pmp-2380

Cambium Networks Ltd izjavljuje pod isključivom odgovornošću da se proizvodi na koje se odnosi ova izjava u skladu s važećim bitnim zahtjevima sljedeće Direktive Vijeća Europskih zajednica:

- 2014/53/EU Europskog parlamenta i Vijeća od 16. travnja 2014. o usklađivanju zakona država članica o stavljanju na raspolaganje na tržištu radio uređaja i ukidanju Direktive 1999/5/EC
- 2011/65/EU Europskog parlamenta i Vijeća od 8. lipnja 2011. o ograničenju uporabe određenih opasnih tvari u električnoj i elektroničkoj opremi (RoHS Directive)

**Proizvodi:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Proizvođač:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Opis:** Point-to-Point bežični Ethernet most

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Opis	Brojevi dijelova	Primjenjive smjernice
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varijante:** Sustav PTP 450i od 3 GHz uključuje integriranu 19 dBi dvokoso antenu (Cambium Networks P / N C030045D901A) i verzije konektirane antene za upotrebu s namjenskim vanjskim antenama, a može se isporučiti s opcijskim poboljšanim ili standardnim PoE, gigabitnim prenaponskim zaštitom ili jedinicom za zaštitu od munje (PTP-LPU)

**Bilješka:** Nominalni dobitci namjenskih vanjskih antena navedeni su u nastavku

Integrirana antena	Nominalni dobitak
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Konformizam:** Metode koje se koriste za dokazivanje sukladnosti:

**Direktiva o radijskoj opremi:-**

- Prilog II. Primjenjujući usklađene norme
  - Article 3.1(a) Sigurnosni: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Zdravlje EME: EN 50385:2017
  - Article 3.1(b) EMC standardi: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio izvedba: EN 302 326-2 V1.2.2


**ROHS smjernica:-** EN50581: 2012

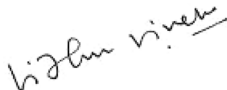
Godina prve primjene oznake CE: 2019

Datiran: 14-01-2021

Mjesto: Ashburton

**Potpisi:**

  
Name: Nigel King Title: Chief Technical Officer

  
Name: Vibhu Vivek Title: Senior Vice President Products

**Čuvar TCF-a:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Ova Izjava o sukladnosti pohranjena je kao dokument pmp-2380

Cambium Networks Ltd prohlašuje na svou výhradní odpovědnost, že výrobky, na něž se toto prohlášení vztahuje, splňují platné základní požadavky následující směrnice (směrnic) Rady Evropských společenství:

- 2014/53/EU ze dne 16. dubna 2014 o harmonizaci právních předpisů členských států týkajících se uvádění rádiových zařízení na trh a zrušení směrnice Evropského parlamentu a Rady 1999/5/EC
- 2011/65/EU Evropského parlamentu a Rady ze dne 8. června 2011 o omezení používání některých nebezpečných látek v elektrických a elektronických zařízeních (směrnice o omezení používání některých nebezpečných látek)

**Produkt:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Výrobce:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Popis:** Bezdrátový ethernetový most typu point-to-point

**Modelka:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Popis	Čísla součástí	Platné směrnice
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianty:** Systém 3 GHz PTP 450i zahrnuje integrovanou duální šikmou anténu 19 dBi (Cambium Networks P / N C030045D901A) a připojené anténní verze pro použití s vyhrazenými externími anténami a může být dodáván s volitelným vylepšeným nebo standardním PoE, gigabitovou přepěťovou ochranou nebo jednotkou ochrany před bleskem (PTP-LPU)

**Poznámka:** Nominální zisky vyhrazených externích antén jsou uvedeny níže

Integrovaná anténa	Jmenovitý zisk
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Souladu:** Metody používané k prokázání shody:

**Radio Equipment Directive:-**

- V příloze II za použití harmonizovaných norem
  - Article 3.1(a) Bezpečnost: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Zdraví EME: EN 50385:2017
  - Article 3.1(b) EMC standardy: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Rádiový výkon: EN 302 326-2 V1.2.2


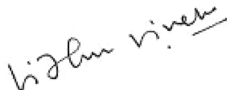
**Směrnice ROHS:-** EN50581: 2012

Rok první aplikace značky CE: 2019

S daty: 14-01-2021

Místo: Ashburton

**Podpisy:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Strážce TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Toto prohlášení o shodě je uloženo jako dokument pmp-2380

Cambium Networks Ltd erklærer på eget ansvar, at de produkter, som denne erklæring vedrører, overholder de gældende væsentlige krav i følgende direktiv (er) i Rådet for De Europæiske Fællesskaber:

- 2014/53/EU Europa-Parlamentets og Rådets afgørelse af 16. april 2014 om harmonisering af medlemsstaternes lovgivning om markedsføring af radioudstyr og om ophævelse af direktiv 1999/5/EC
- 2011/65/EU Europa-Parlamentets og Rådets afgørelse af 8. juni 2011 om begrænsning af anvendelsen af visse farlige stoffer i elektrisk og elektronisk udstyr (RoHS Directive)

**Produkter:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Fabrikant:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Beskrivelse:** Punkt-til-punkt trådløs Ethernet-bro

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Beskrivelse	Artikelnumre	Gældende direktiver
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianter:** 3 GHz PTP 450i-systemet inkluderer integreret 19 dBi dobbelt skrå antenne (Cambium Networks P / N C030045D901A) og tilsluttede antenneversioner til brug med dedikerede eksterne antenner og kan leveres med valgfri forbedret eller standard PoE, gigabit overspændingsbeskytter eller lynbeskyttelsesenhed (PTP-LPU)

**Bemærk:** De nominelle gevinster for de dedikerede eksterne antenner er angivet nedenfor

Integreret antenne	Nominel gevinst
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Overensstemmelse:** Metoder der anvendes til at påvise overensstemmelse:

**Direktiv om radioudstyr:-**

- Bilag II ved anvendelse af harmoniserede standarder
  - Article 3.1(a) Sikkerhed: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Sundhed EME: EN 50385:2017
  - Article 3.1(b) EMC standarder: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio præstation: EN 302 326-2 V1.2.2


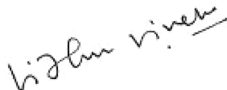
**ROHS-direktivet:-** EN50581: 2012

År for første ansøgning om CE-mærkning: 2019

Dateret: 14-01-2021

Placere: Ashburton

**Underskrifter:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Keeper af TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Denne overensstemmelseserklæring er gemt som dokument pmp-2380

Cambium Networks Ltd erklärt in alleiniger Verantwortung, dass die Produkte, auf die sich diese Erklärung bezieht, den geltenden grundlegenden Anforderungen der folgenden Richtlinie (n) des Rates der Europäischen Gemeinschaften entsprechen:

1. 2014/53/EU des Europäischen Parlaments und des Rates vom 16. April 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die Bereitstellung von Funkanlagen auf dem Markt und zur Aufhebung der Richtlinie 1999/5/EC
2. 2011/65/EU des Europäischen Parlaments und des Rates vom 8. Juni 2011 zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten (RoHS-Richtlinie)

**Produkte:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Hersteller:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Beschreibung:** Punkt-zu-Punkt-Wireless-Ethernet-Brücke

**Modell:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Beschreibung	Teilnummern	Anwendbare Richtlinien
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianten:** Das 3-GHz-PTP 450i-System umfasst eine integrierte 19-dBi-Doppelschrägantenne (Cambium Networks P / N C030045D901A) und angeschlossene Antennenversionen zur Verwendung mit dedizierten externen Antennen und kann optional mit erweitertem oder Standard-PoE, Gigabit-Überspannungsschutz oder Blitzschutzgerät (PTP-LPU)

**Hinweis:** Die Nennverstärkungen der dedizierten externen Antennen sind unten angegeben

Integrierte Antenne	Nomineller Gewinn
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Konformität:** Methoden zum Nachweis der Konformität:

**Richtlinie über Funkanlagen:-**

- i. Anhang II unter Verwendung harmonisierter Normen
  - a. Article 3.1(a) Sicherheit: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - b. Article 3.1(a) Gesundheit: EN 50385:2017
  - c. Article 3.1(b) EMV-Standards: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- ii. Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - a. Radio-Leistung: EN 302 326-2 V1.2.2


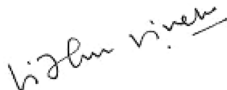
**ROHS-Richtlinie:-** EN50581: 2012

År for første ansøgning om CE-mærkning: 2019

Datiert: 14-01-2021

Ort: Ashburton

**Unterschriften:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Hüter des TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Diese Konformitätserklärung ist als Dokument gespeichert pmp-2380

Cambium Networks Ltd deklareerib ainuisikuliselt, et tooted, millele käesolev deklaratsioon on seotud, vastavad Euroopa Ühenduste Nõukogu järgmise direktiivi (de) le kehtivatele olulistele nõuetele:

- 2014/53/EU Euroopa Parlamendi ja nõukogu otsus, 16. aprill 2014, raadioseadmete turul kättesaadavaks tegemist käsitlevate liikmesriikide õigusaktide ühtlustamise ja direktiivi kehtetuks tunnistamise kohta 1999/5/EC
- 2011/65/EU Euroopa Parlamendi ja nõukogu otsus, 8. juuni 2011, teatavate ohtlike ainete kasutamise piiramise kohta elektri- ja elektroonikaseadmetes (ohtlike ainete kasutamise piiramise direktiiv)

**Tooted:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Tootja:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Kirjeldus:** Punkt-punkti traadita Etherneti sild

**Mudel:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Kirjeldus	Osade numbrid	Kohaldatavad direktiivid
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variandid:** 3 GHz PTP 450i süsteem sisaldab integreeritud 19 dBi topeltkaldala antenni (Cambium Networks P / N C030045D901A) ja ühendatud antenni versioone kasutamiseks spetsiaalsete väliste antennidega ning seda võib tarnida koos täiendava või standardse PoE, gigabitise liigpingekaitsega või piksekaitseseadmega (PTP-LPU)

**Märge:** Spetsiaalsete väliste antennide nimivõimed on täpsustatud allpool

Integreeritud antenn	Nominaalne juurdekasv
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Vastavus:** Nõuetele vastavuse tõendamiseks kasutatud meetodid:

**Raadioseadmete direktiiv:-**

- II lisa, kasutades harmoneeritud standardeid
  - Article 3.1(a) Ohutus: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Tervis EME: EN 50385:2017
  - Article 3.1(b) EMC standardid: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Raadio jõudlus: EN 302 326-2 V1.2.2



**ROHS direktiiv:-** EN50581: 2012

Year of first application of CE mark: 2019

Kuupäevastatud: 14-01-2021

Koht: Ashburton

**Allkirjad:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**TCF valdaja:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
See vastavusdeklaratsioon salvestatakse dokumendina pmp-2380

Cambium Networks Ltd on yksin vastuussa siitä, että tuotteet, joihin tämä vakuutus koskee, ovat Euroopan yhteisöjen neuvoston seuraavien direktiivien tai niitä koskevien olennaisten vaatimusten mukaiset:

- 2014/53/EU Euroopan parlamentin ja neuvoston direktiivi, annettu 16 päivänä huhtikuuta 2014, radiolaitteiden markkinoille saattamista koskevan jäsenvaltioiden lainsäädännön yhdenmukaistamisesta ja direktiivin 1999/5/EC
- 2011/65/EU Euroopan parlamentin ja neuvoston 8. kesäkuuta 2011 antama lausunto tiettyjen vaarallisten aineiden käytön rajoittamisesta sähkö- ja elektroniikkalaitteissa (RoHS-direktiivi)

**Tuotteet:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Valmistaja:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Kuvaus:** Point-to-point langaton Ethernet-silta

**Malli:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Kuvaus	Osanumerot	Sovellettavat direktiivit
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variantit:** 3 GHz: n PTP 450i -järjestelmässä on integroitu 19 dBi: n kaksoisantenni (Cambium Networks P / N C030045D901A) ja liitetyt antenniversiot käytettäväksi erillisten ulkoisten antennien kanssa (PTP-LPU)

**Huomautus:** Erillisten ulkoisten antennien nimellistehot määritetään alla

Integroitu antenni	Nimellinen voitto
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Vaatimustenmukaisuus:** Vaatimustenmukaisuuden osoittamismenetelmät:

**Radiolaitteita koskeva direktiivi:-**

- Liitteessä II yhdenmukaistettuja standardeja käyttäen
  - Article 3.1(a) turvallisuus: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Terveys EME: EN 50385:2017
  - Article 3.1(b) EMC-standardit: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio suorituskyky: EN 302 326-2 V1.2.2



**RoHS-direktiivi:-** EN50581: 2012

CE-merkinnän ensimmäisen käyttöönoton vuosi: 2019

Päiväty: 14-01-2021

Paikka: Ashburton

**Allekirjoitukset:**

 Name: Nigel King Title: Chief Technical Officer	 Name: Vibhu Vivek Title: Senior Vice President Products
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**TCF: n vartija:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Tämä vaatimustenmukaisuusvakuutus on tallennettu asiakirjaksi pmp-2380

Cambium Networks Ltd déclare sous sa seule responsabilité que les produits visés par la présente déclaration sont conformes aux exigences essentielles applicables de la (des) directive (s) suivante (s) du Conseil des Communautés européennes:

1. 2014/53/EU odu Parlement européen et du Conseil du 16 avril 2014 concernant l'harmonisation des législations des États membres relatives à la mise à disposition sur le marché des équipements hertziens et abrogeant la directive 1999/5/EC
2. 2011/65/EU du Parlement européen et du Conseil du 8 juin 2011 relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques (directive RoHS)

**Des produits:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Fabricant:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**La description:** Pont Ethernet sans fil point à point

**Modèle:** 30Z2WHH (where Z=8 or 9, W=C or blank)

La description	Les numéros de pièce	Directives applicables
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variantes:** Le système PTP 450i 3 GHz comprend une antenne double inclinée 19 dBi intégrée (Cambium Networks P / N C030045D901A) et des versions d'antenne connectées pour une utilisation avec des antennes externes dédiées et peut être fourni avec une PoE améliorée ou standard, un parasurtenseur gigabit ou une unité de protection contre la foudre (PTP-LPU)

**Remarque:** Les gains nominaux des antennes externes dédiées sont spécifiés ci-dessous

Antenne intégrée	Gain nominal
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Conformité:** Méthodes utilisées pour démontrer la conformité:

**Directive sur les équipements radio:-**

- i. Annexe II utilisant des normes harmonisées
  - a. Article 3.1(a) sécurité: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - b. Article 3.1(a) Santé EME: EN 50385:2017
  - c. Article 3.1(b) Normes CEM: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- ii. Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - a. Performances radio: EN 302 326-2 V1.2.2



**Directive ROHS:-** EN50581: 2012

Année de première application de la marque CE: 2019

Daté: 14-01-2021

Endroit: Ashburton

**Signatures:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Gardien du TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
 Cette déclaration de conformité est stockée en tant que document pmp-2380



Cambium Networks Ltd kizárólagos felelőssége mellett kijelenti, hogy a termékek, amelyekre ez a nyilatkozat vonatkozik, megfelelnek az Európai Közösségek Tanácsának következő irányelv (ek) nek vonatkozó alapvető követelményeinek:

- 2014/53/EU Az Európai Parlament és a Tanács 2014. április 16-i rendelete a rádióberendezések forgalomba hozatalára vonatkozó tagállami jogszabályok összehangolásáról és az irányelv hatályon kívül helyezéséről 1999/5/EC
- 2011/65/EU Az Európai Parlament és a Tanács 2011. június 8-i határozata az egyes veszélyes anyagok elektromos és elektronikus berendezésekben való alkalmazásának korlátozásáról (RoHS irányelv)

**Termékek:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Gyártó:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Leírás:** Pont-pont vezeték nélküli Ethernet híd

**Modell:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Leírás	Cikkszámok	Alkalmazandó irányelvek
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Változatok:** A 3 GHz-es PTP 450i rendszer tartalmaz integrált 19 dBi kettős ferde antennát (Cambium Networks P / N C030045D901A) és összekapcsolt antennaváltozatokat dedikált külső antennákkal történő használatra, és opcionálisan továbbfejlesztett vagy szabványos PoE, gigabites túlfeszültség-védővel vagy villámvédelmi egységgel (PTP-LPU)

**Megjegyzés:** A dedikált külső antennák névleges nyereségét az alábbiakban adjuk meg

Integrált antenna	Névleges nyereség
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Megfelelőség:** A megfelelés igazolására használt módszerek:

**Rádióberendezésekről szóló irányelv:-**

- II. Mellékletet harmonizált szabványok alkalmazásával
  - Article 3.1(a) Biztonság: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Egészségügyi EME: EN 50385:2017
  - Article 3.1(b) EMC szabványok: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Rádió teljesítmény: EN 302 326-2 V1.2.2


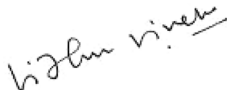
**ROHS irányelv:-** EN50581: 2012

Year of first application of CE mark: 2019

Keltezett: 14-01-2021

Hely: Ashburton

**Aláírások:**

 Name: Nigel King Title: Chief Technical Officer	 Name: Vibhu Vivek Title: Senior Vice President Products
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**A TCF öre:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Ez a Megfelelőségi nyilatkozat dokumentumként kerül tárolásra pmp-2380

Cambium Networks Ltd lýsir því yfir á eigin ábyrgð að vörurnar, sem þessi yfirlýsing varðar, eru í samræmi við viðeigandi grunnkröfur eftirfarandi tilskipana ráðsins Evrópubandalaganna:

- 2014/53/EU Evrópuþingsins og ráðsins frá 16. apríl 2014 um samræmingu laga aðildarríkjanna varðandi gerð á markaði fyrir útvarpsbúnað og niðurfellingu tilskipunar 1999/5/EC
- 2011/65/EU Evrópuþingsins og ráðsins frá 8. júní 2011 um takmörkun á notkun tiltekinna hættulegra efna í raf- og rafeindabúnaði (RoHS tilskipun)

**Vörur:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Framleiðandi:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Lýsing:** Point-to-Point þráðlaus Ethernet brú

**Líkan:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Lýsing	Hlutanúmer	Gildandi tilskipanir
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variants:** 3 GHz PTP 450i kerfið felur í sér samþætt 19 dBi tvöfalt halla loftnet (Cambium Networks P / N C030045D901A) og tengd loftnetútgáfur til notkunar með sérstökum ytri loftnetum og er hægt að fá aukabúnað eða venjulegan PoE, gigabit bylgjuvörn eða eldingarvörn (PTP-LPU)

**Athugaðu:** Nafnhagnaður sérstöku loftnetanna er tilgreindur hér að neðan

Innbyggt loftnet	Nafnvirði
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Samræmi:** Aðferðir sem notaðar eru til að sýna fram á samræmi:

**Tilskipun um útvarpsbylgjur:-**

- Viðauki með samhæfðum stöðlum
  - Article 3.1(a) Öryggi: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Heilsa EME: EN 50385:2017
  - Article 3.1(b) EMC staðlar: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Útvarp flutningur: EN 302 326-2 V1.2.2



**ROHS tilskipun:-** EN50581: 2012

Ár fyrstu umsóknar CE-merkis: 2019

Dags: 14-01-2021

Staður: Ashburton

**Undirskrift:**

 Name: Nigel King Title: Chief Technical Officer	 Name: Vibhu Vivek Title: Senior Vice President Products
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**Umsjónarmaður TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
 Þessi yfirlýsing um samræmi er geymd sem skjal pmp-2380

**DEARBHÚ COMHLÁNÚ AN AE (Gaeilge) (Ireland)**

IE

Cambium Networks Ltd de réir a fhreagrachta amháin go gcomhlíonann na táirgí, lena mbaineann an dearbhú seo, na ceanglais riachtanacha is infheidhme de Threoir (f) de chuid Chomhairle na gComhphobal Eorpach:

- 2014/53/EU ó Pharlaimint na hEorpa agus ón gComhairle an 16 Aibreán 2014 maidir le comhchuibhiú dhlíthe na mBallstát a bhaineann le trealamh raidió a chur ar fáil ar an margadh agus lena n-aisghairtear Treoir 1999/5/EC
- 2011/65/EU ó Pharlaimint na hEorpa agus ón gComhairle an 8 Meitheamh 2011 maidir le srianadh ar úsáid substaintí guaiseacha áirithe i dtrealamh leictreach agus leictreonach (Treoir RoHS)

**Táirgí:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Déantóir:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Cur síos:** Droichead Ethernet gan sreang Pointe go Pointe

**Mionsamhail:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Cur síos	Uimhreacha cuid	Treoracha Infheidhme
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Athruithe:** Cuimsíonn an córas 3 GHz PTP 450i antenna dé-slant comhtháite 19 dBi (Cambium Networks P / N C030045D901A) agus leaganacha antenna cónasctha le húsáid le antennas seachtracha tiomnaithe agus féadfar PoE feabhsaithe nó caighdeánach roghnach, cosantóir borrrtha gigabit nó Aonad cosanta tintreach a sholáthar dóibh (PTP-LPU)

**Nóta:** Sonraítear thíos gnóthachain ainmniúla na n-antennas seachtracha tiomnaithe

Antenna Comhtháite	Gnóthachan Ainmniúil
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Comhréireacht:** Modhanna a úsáidtear chun comhréireacht a léiriú:

**Treoir Trealamh Raidió:-**

- Iarscríbhinn II ag baint úsáide as caighdeáin chomhchuibhithe
  - Article 3.1(a) Sábháilteacht: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) EME Sláinte: EN 50385:2017
  - Article 3.1(b) Caighdeáin EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Feidhmíocht raidió: EN 302 326-2 V1.2.2


**RoHS Treoir:-** EN50581: 2012


Bliain an chéad iarratais ar an marc CE: 2019

Dáta: 14-01-2021

Áit: Ashburton

**Sínithe:**

  
Name: Nigel King Title: Chief Technical Officer

  
Name: Vibhu Vivek Title: Senior Vice President Products

**Coimeádaí an TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP Stóráiltear an Dearbhú Comhréireachta seo mar dhoiciméad pmp-2380

**DICHIARAZIONE DI CONFORMITÀ DELL'UE** (Italiana) (Italy)

IT

Cambium Networks Ltd dichiara sotto la sua esclusiva responsabilità che i prodotti ai quali si riferisce la presente dichiarazione sono conformi ai requisiti essenziali applicabili della seguente Direttiva del Consiglio delle Comunità europee:

- 2014/53/EU del Parlamento europeo e del Consiglio, del 16 aprile 2014, sull'armonizzazione delle legislazioni degli Stati membri relative alla messa a disposizione sul mercato di apparecchiature radio e che abroga la direttiva 1999/5/CE
- 2011/65/EU del Parlamento europeo e del Consiglio, dell'8 giugno 2011, sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche (direttiva RoHS)

**Prodotti:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Fabbricante:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Descrizione:** Bridge Ethernet wireless punto a punto

**Modello:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Descrizione	Numeri di parte	Direttive applicabili
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianti:** Il sistema PTP 450i a 3 GHz include un'antenna a doppia inclinazione da 19 dBi integrata (Cambium Networks P / N C030045D901A) e versioni con antenna connettorizzata per l'uso con antenne esterne dedicate e può essere fornito con PoE standard o avanzato opzionale, protezione da sovratensione gigabit o unità di protezione dai fulmini (PTP-LPU)

**Nota:** I guadagni nominali delle antenne esterne dedicate sono specificati di seguito

Antenna integrata	Guadagno nominale
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Conformità:** Metodi usati per dimostrare la conformità:

**Direttiva sulle apparecchiature radio:-**

- Allegato II utilizzando norme armonizzate
  - Article 3.1(a) Sicurezza: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Salute: EN 50385:2017
  - Article 3.1(b) Standard EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Prestazione radio: EN 302 326-2 V1.2.2


**Direttiva ROHS:-** EN50581: 2012


Anno della prima applicazione del marchio CE: 2019

Datato: 14-01-2021

Posto: Ashburton

**Firme:**

  
Name: Nigel King Title: Chief Technical Officer

  
Name: Vibhu Vivek Title: Senior Vice President Products

**Custode del TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Questa Dichiarazione di conformità è archiviata come documento pmp-2380

Cambium Networks Ltd ar pilnu atbildību paziņo, ka produkti, uz kuriem attiecas šī deklarācija, atbilst piemērojamajām Eiropas Kopienu Padomes (-u) direktīvas (-u) pamatprasībām:

- 2014/53/EU Eiropas Parlamenta un Padomes Lēmums (2014. gada 16. aprīlis) par dalībvalstu tiesību aktu saskaņošanu attiecībā uz radioiekārtu pieejamību tirgū un Direktīvas atcelšanu 1999/5/EC
- 2011/65/EU Eiropas Parlamenta un Padomes Regula (2011. gada 8. jūnijs) par dažu bīstamu vielu izmantošanas ierobežošanu elektriskās un elektroniskās iekārtās (RoHS direktīva)

**Produkti:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Ražotājs:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Apraksts:** Punkta-punkta bezvadu Ethernet tilts

**Modelis:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Apraksts	Daļas numuri	Piemērojamās direktīvas
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianti:** 3 GHz PTP 450i sistēma ietver integrētu 19 dBi divkāršu antenu (Cambium Networks P / N C030045D901A) un savienotas antenas versijas lietošanai ar īpašām ārējām antenām, un to var piegādāt ar papildu uzlabotu vai standarta PoE, gigabaita pārsprieguma aizsargu vai zibensaizsardzības ierīci (PTP-LPU)

**Piezīme:** Īpašo ārējo antenu nominālais pieaugums ir norādīts zemāk

Integrētā antena	Nominālais ieguvums
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Atbilstība:** Metodes, ko izmanto, lai pierādītu atbilstību:

**Radioiekārtu direktīva:-**

- II pielikums, izmantojot saskaņotus standartus
  - Article 3.1(a) Drošība: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Veselība EME: EN 50385:2017
  - Article 3.1(b) EMC standarti: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio veikums: EN 302 326-2 V1.2.2


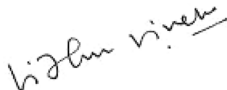
**ROHS direktīva:-** EN50581: 2012

CE marķējuma pirmās piemērošanas gads: 2019

Datēts: 14-01-2021

Vieta: Ashburton

**Paraksti:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**TCF glabātājs:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Šī atbilstības deklarācija tiek saglabāta kā dokuments pmp-2380

Cambium Networks Ltd su visa atsakomybe, deklaruoja, kad gaminiai, kuriems ši deklaracija yra susiję, atitinka esminius šios direktyvos (-ų) Europos Bendrijų Tarybos:

- 2014/53/EU 2014 m. balandžio 16 d. Europos Parlamento ir Tarybos direktyva dėl valstybių narių įstatymų, susijusių su radijo ryšio įrenginių tiekimu rinkai, suderinimo, panaikinanti direktyvą 1999/5/EC
- 2011/65/EU 2011 m. birželio 8 d. Europos Parlamento ir Tarybos reglamentas dėl tam tikrų pavojingų medžiagų naudojimo elektros ir elektroninėje įrangoje apribojimo (Pavojingų medžiagų naudojimo apribojimo direktyva)

**Produktai:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Gamintojas:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Apibūdinimas:** „Point-to-Point“ belaidis Ethernet tiltas

**Modelis:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Apibūdinimas	Dalies numeriai	Taikomos direktyvos
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variantai:** 3 GHz PTP 450i sistemoje yra integruota 19 dBi dviguba nuožulni antena („Cambium Networks P / N C030045D901A“) ir sujungtos antenos versijos, skirtos naudoti su specialiomis išorinėmis antenomis, ir gali būti tiekiamos su papildomu arba standartiniu „PoE“, gigabito viršįtampio apsauga arba apsaugos nuo žaibo įrenginiu (PTP-LPU)

**Pastaba:** Nominalus specialių išorinių antenų priaugis nurodomas toliau

Integruota antena	Nominalus padidėjimas
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Atitiktis:** Atitiktis įrodymui taikomi metodai:

**Radio Equipment Directive:-**

- II priedas, kuriame naudojami suderinti standartai
  - Article 3.1(a) Saugumas: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Sveikata EME: EN 50385:2017
  - Article 3.1(b) EMC standartai: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio veikimas: EN 302 326-2 V1.2.2


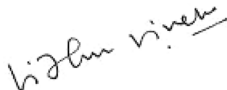
**ROHS direktyva:-** EN50581: 2012

CE ženklo pirmojo taikymo metai: 2019

Data: 14-01-2021

Vieta: Ashburton

**Parašai:**

 Name: Nigel King Title: Chief Technical Officer	 Name: Vibhu Vivek Title: Senior Vice President Products
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**TCF valdytojas:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Ši atitikties deklaracija saugoma kaip dokumentas pmp-2380

Cambium Networks Ltd tiddikjara taht ir-responsabbiltà unika tagħha li l-prodotti, li magħhom tirrelata din id-dikjarazzjoni, jikkonformaw mar-rekwiżiti essenzjali applikabbli tad-Direttiva (jiet) li ġejja tal-Kunsill tal-Komunitajiet Ewropej:

- 2014/53/EU tal-Parlament Ewropew u tal-Kunsill tas-16 ta' 'April 2014 dwar l-armonizzazzjoni tal-ligijiet tal-Istati Membri relatati mat-tqegħid fis-suq ta' tagħmir tar-radju u li tħassar id-Direttiva 1999/5/EC
- 2011/65/EU tal-Parlament Ewropew u tal-Kunsill tat-8 ta' 'Gunju 2011 dwar ir-restrizzjoni tal-użu ta' ċerti sustanzi perikolużi fit-tagħmir elettriku u elettroniku (Direttiva RoHS)

**Prodotti:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Fabbrikant:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Deskrizzjoni:** Pont Ethernet bla fili minn Punt sa Punt

**Mudell:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Deskrizzjoni	Numri ta' parti	Direttivi applikabbli
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varjanti:** Is-sistema 3 GHz PTP 450i tinkludi antenna integrata ta' 19 dBi slant doppja (Cambium Networks P / N C030045D901A) u verżjonijiet ta' l-antenna konnetturizzata għall-użu ma' antenni esterni ddedikati u tista' tiġi fornuta b'PoE mtejba jew standard fakultattiva, protettur kontra l-mewġ gigabit jew Unità ta' protezzjoni kontra s-sajjetti (PTP-LPU)

**Nota:** Il-qligħ nominali tal-antenni esterni ddedikati huma speċifikati hawn taht

Antenna Integrata	Qligħ nominali
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Konformità:** Metodi użati biex juru l-konformità:

**Direttiva dwar Tagħmir tar-Radju:-**

- Anness II bl-użu ta' standards armonizzati
  - Article 3.1(a) Sigurtà: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Saħħa EME: EN 50385:2017
  - Article 3.1(b) Standards EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Prestazzjoni tar-radju: EN 302 326-2 V1.2.2



**Id-Direttiva ROHS:-** EN50581: 2012

Sena ta' l-ewwel applikazzjoni tal-marka CE: 2019

Datata: 14-01-2021

Poġġi: Ashburton

**Firem:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Konservatur tat-TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Din id-Dikjarazzjoni ta' Konformità hija maħzuna bħala dokument pmp-2380

Cambium Networks Ltd verklaart op eigen verantwoordelijkheid dat de producten waarop deze verklaring betrekking heeft, voldoen aan de toepasselijke essentiële eisen van de volgende richtlijn (en) van de Raad van de Europese Gemeenschappen:

- 2014/53/EU van het Europees Parlement en de Raad van 16 april 2014 betreffende de harmonisatie van de wetgevingen van de lidstaten inzake het op de markt aanbieden van radioapparatuur en tot intrekking van Richtlijn 1999/5/EC
- 2011/65/EU van het Europees Parlement en de Raad van 8 juni 2011 betreffende de beperking van het gebruik van bepaalde gevaarlijke stoffen in elektrische en elektronische apparatuur (RoHS-richtlijn)

**Producten:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Fabrikant:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Beschrijving:** Point-to-Point draadloze Ethernet-bridge

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Beschrijving	Onderdeelnummers	Toepasselijke richtlijnen
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianten:** Het 3 GHz PTP 450i-systeem omvat een geïntegreerde 19 dBi dubbele schuine antenne (Cambium Networks P / N C030045D901A) en connectorantenne-versies voor gebruik met speciale externe antennes en kan worden geleverd met optionele verbeterde of standaard PoE, gigabit-overspanningsbeveiliging of bliksembeveiligingseenheid (PTP-LPU)

**Notitie:** De nominale versterkingen van de speciale externe antennes worden hieronder gespecificeerd

Geïntegreerde antenne	Nominale winst
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Conformiteit:** Methoden die worden gebruikt om conformiteit aan te tonen:

**Richtlijn radioapparatuur:-**

- Bijlage II met behulp van geharmoniseerde normen
  - Article 3.1(a) Veiligheid: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Gezondheid EME: EN 50385:2017
  - Article 3.1(b) EMC-normen: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radioprestaties: EN 302 326-2 V1.2.2



**ROHS-richtlijn:-** EN50581: 2012

Jaar van eerste toepassing van CE-markering: 2019

Verouderd: 14-01-2021

Plaats: Ashburton

**Handtekeningen:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Bewaarder van het TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Deze conformiteitsverklaring wordt opgeslagen als document pmp-2380



Cambium Networks Ltd erklærer på eget ansvar at produktene som denne erklæringen vedrører, overholder de gjeldende grunnleggende kravene i følgende direktiv (er) av Rådet for De europeiske fellesskap:

- 2014/53/EU av Europaparlamentet og Rådet av 16. april 2014 om harmonisering av medlemsstaternes lovgivning om tilgjengeliggjøring på markedet av radioutstyr og opphevelse av direktiv 1999/5/EC
- 2011/65/EU av Europaparlamentet og Rådet av 8. juni 2011 om begrensning av bruken av visse farlige stoffer i elektrisk og elektronisk utstyr (RoHS-direktivet)

**Produkter:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Produsent:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Beskrivelse:** Punkt-til-punkt trådløs Ethernet-bro

**Modell:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Beskrivelse	Artikkelnummer	Gjeldende direktiver
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianter:** 3 GHz PTP 450i-systemet inkluderer integrert 19 dBi dobbel skrånne (Cambium Networks P / N C030045D901A) og tilkoblede antenneversjoner for bruk med dedikerte eksterne antenner og kan leveres med valgfri forbedret eller standard PoE, gigabit overspenningsbeskytter eller lynbeskyttelsesenhet (PTP-LPU)

**Merk:** Den nominelle gevinsten til dedikerte eksterne antenner er spesifisert nedenfor

Integrert antenne	Nominell gevinst
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Overensstemmelse:** Metoder som brukes til å demonstrere samsvar:

**Direktiv om radioutstyr:-**

- Vedlegg II ved bruk av harmoniserte standarder
  - Article 3.1(a) Sikkerhet: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Helse EME: EN 50385:2017
  - Article 3.1(b) EMC standarder: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio ytelse: EN 302 326-2 V1.2.2


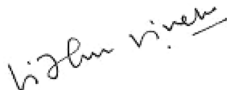
**ROHS-direktivet:-** EN50581: 2012

År for første påføring av CE-merket: 2019

Datert: 14-01-2021

Plass: Ashburton

**Signaturer:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Keeper av TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Denne samsvarserklæringen er lagret som dokument pmp-2380

Cambium Networks Ltd oświadcza na swoją wyłączną odpowiedzialność, że produkty, do których odnosi się niniejsza deklaracja, są zgodne z mającymi zastosowanie zasadniczymi wymogami następującej dyrektywy Rady (ów) Rady Wspólnot Europejskich:

- 2014/53/EU Parlamentu Europejskiego i Rady z dnia 16 kwietnia 2014 r. w sprawie harmonizacji ustawodawstw Państw Członkowskich odnoszących się do udostępniania na rynku urządzeń radiowych i uchylająca dyrektywę 1999/5/EC
- 2011/65/EU Parlamentu Europejskiego i Rady z dnia 8 czerwca 2011 r. w sprawie ograniczenia stosowania niektórych niebezpiecznych substancji w sprzęcie elektrycznym i elektronicznym (dyrektywa RoHS)

**Produkty:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Producent:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Opis:** Bezprzewodowy most Ethernet typu punkt-punkt

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Opis	Numer części	Odpowiednie dyrektywy
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Warianty:** System PTP 450i 3 GHz zawiera zintegrowaną podwójną antenę skośną 19 dBi (Cambium Networks P / N C030045D901A) i wersje anten z łącznikami do użytku z dedykowanymi antenami zewnętrznymi i może być dostarczany z opcjonalnym ulepszonym lub standardowym PoE, gigabitowym zabezpieczeniem przeciwprzepięciowym lub urządzeniem odgromowym (PTP-LPU)

**Uwaga:** Nominalne zyski dedykowanych anten zewnętrznych są określone poniżej

Zintegrowana antena	Nominalny zysk
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Zgodność:** Metody stosowane do wykazania zgodności:

**Dyrektywa w sprawie urządzeń radiowych:-**

- Załącznik II wykorzystujący zharmonizowane normy
  - Article 3.1(a) Bezpieczeństwo: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Zdrowie EME: EN 50385:2017
  - Article 3.1(b) Standardy EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Wydajność radiowa: EN 302 326-2 V1.2.2


**Dyrektywa ROHS:-** EN50581: 2012

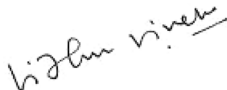
Rok pierwszego zgłoszenia znaku CE: 2019

Przestarzały: 14-01-2021

Miejsce: Ashburton

**Podpisy:**

  
Name: Nigel King Title: Chief Technical Officer

  
Name: Vibhu Vivek Title: Senior Vice President Products

**Opiekun TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Niniejsza Deklaracja zgodności jest przechowywana jako dokument pmp-2380

Cambium Networks Ltd declara, sob a sua única e inteira responsabilidade, que os produtos a que esta declaração se refere estão em conformidade com os requisitos essenciais aplicáveis da (s) seguinte (s) Directiva (s) do Conselho das Comunidades Europeias.:

1. 2014/53/EU do Parlamento Europeu e do Conselho, de 16 de abril de 2014, relativa à harmonização das legislações dos Estados-Membros respeitantes à disponibilização no mercado de equipamentos de rádio e que revoga a Diretiva 1999/5/EC
2. 2011/65/EU do Parlamento Europeu e do Conselho, de 8 de junho de 2011, relativa à restrição do uso de determinadas substâncias perigosas em equipamentos elétricos e eletrónicos (Diretiva RSP)

**Produtos:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Fabricante:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Descrição:** Ponte Ethernet ponto a ponto sem fio

**Modelo:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Descrição	Números de peça	Diretrizes Aplicáveis
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variantes:** O sistema PTP 450i de 3 GHz inclui antena inclinada dupla de 19 dBi integrada (Cambium Networks P / N C030045D901A) e versões de antena conectorizada para uso com antenas externas dedicadas e pode ser fornecido com PoE opcional aprimorado ou padrão, protetor de sobretensão gigabit ou unidade de proteção contra raios (PTP-LPU)

**Nota:** Os ganhos nominais das antenas externas dedicadas são especificados abaixo

Antena Integrada	Ganho nominal
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Conformidade:** Métodos usados para demonstrar conformidade:

**Diretiva de equipamentos de rádio:-**

- Anexo II, utilizando normas harmonizadas
  - Article 3.1(a) Segurança: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Saúde EME: EN 50385:2017
  - Article 3.1(b) Padrões EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Desempenho de rádio: EN 302 326-2 V1.2.2


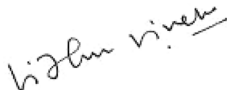
**Diretriz ROHS:-** EN50581: 2012

Ano da primeira aplicação da marca CE: 2019

Datado: 14-01-2021

Lugar: Ashburton

**Assinaturas:**

 Name: Nigel King Title: Chief Technical Officer	 Name: Vibhu Vivek Title: Senior Vice President Products
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**Guardião do TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Esta Declaração de Conformidade é armazenada como documento pmp-2380

**DECLARAȚIA DE CONFORMITATE A UE (Română) (Romania)**

RO

Cambium Networks Ltd declară pe răspunderea sa exclusivă că produsele la care se referă această declarație sunt conforme cu cerințele esențiale aplicabile din următoarea directivă (directive) a Consiliului Comunităților Europene:

1. 2014/53/EU al Parlamentului European și al Consiliului din 16 aprilie 2014 privind armonizarea legislațiilor statelor membre referitoare la punerea la dispoziție pe piață a echipamentelor radio și de abrogare a Directivei 1999/5/EC
2. 2011/65/EU al Parlamentului European și al Consiliului din 8 iunie 2011 privind restricționarea utilizării anumitor substanțe periculoase în echipamentele electrice și electronice (Directiva RoHS)

**Produse:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Producător:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Descriere:** Pod Ethernet fără fir punct-la-punct

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Descriere	Numere de numere	Directivele aplicabile
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variante:** Sistemul PTP 450i de 3 GHz include o antenă integrată dublă înclinată de 19 dBi (Cambium Networks P / N C030045D901A) și versiuni de antenă conectată pentru utilizare cu antene externe dedicate și poate fi furnizată cu PoE opțional îmbunătățit sau standard, protecție la supratensiune gigabit sau unitate de protecție împotriva trăsnetului (PTP-LPU)

**Notă:** Câștigurile nominale ale antenelor externe dedicate sunt specificate mai jos

Antena integrată	Nominálny zisk
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Conformitate:** Metode utilizate pentru demonstrarea conformității:

**Directiva privind echipamentele radio:-**

- Anexa II, utilizând standarde armonizate
  - Article 3.1(a) Siguranță: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Sănătate EME: EN 50385:2017
  - Article 3.1(b) Standardele EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Performanță radio: EN 302 326-2V1.2.2



**Directiva ROHS:-** EN50581: 2012

Anul primei aplicări a mărcii CE: 2019

Datat: 14-01-2021

Loc: Ashburton

**Semnături:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Administrator al TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

Această Declarație de Conformitate este stocată ca document pmp-2380

Cambium Networks Ltd vyhlasuje na svoju vlastnú zodpovednosť, že výrobky, na ktoré sa vzťahuje toto vyhlásenie, sú v súlade s platnými základnými požiadavkami nasledujúcej smernice (-ov) Rady Európskych spoločností:

- 2014/53/EU Európskeho parlamentu a Rady zo 16. apríla 2014 o zosúladiení právnych predpisov členských štátov týkajúcich sa sprístupnenia rádiových zariadení na trhu a o zrušení smernice Európskeho parlamentu a Rady 1999/5/EC
- 2011/65/EU Európskeho parlamentu a Rady z 8. júna 2011 o obmedzení používania určitých nebezpečných látok v elektrických a elektronických zariadeniach (smernica o ONL)

**Produkty:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Výrobca:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Popis:** Bezdrôtový most Ethernet typu point-to-point

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Popis	Číslo častí	Uplatniteľné smernice
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPIY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianty:** Systém 3 GHz PTP 450i obsahuje integrovanú dvojitú šikmú anténu 19 dBi (Cambium Networks P / N C030045D901A) a verzie s konektorom pre použitie s vyhradenými externými anténami. Môže byť dodávaný s voliteľným vylepšeným alebo štandardným PoE, gigabitovým prepäťovým chráničom alebo jednotkou na ochranu pred bleskom (PTP-LPU)

**Poznámka:** Nominálne zisky vyhradených externých antén sú uvedené nižšie

Integrovaná anténa	Nominálny zisk
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Zhoda:** Metódy používané na preukázanie zhody:

**Smernica o rádiovom zariadení:-**

- V prílohe II s použitím harmonizovaných noriem
  - Article 3.1(a) bezpečnosť: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Zdravie EME: EN 50385:2017
  - Article 3.1(b) Normy EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Rádiový výkon: EN 302 326-2 V1.2.2


**Smernica ROHS:-** EN50581: 2012

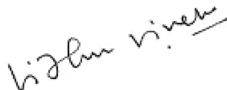
Rok prvého uplatnenia značky CE: 2019

Datovaný: 14-01-2021

Miesto: Ashburton

**Podpisy:**

  
Name: Nigel King Title: Chief Technical Officer

  
Name: Vibhu Vivek Title: Senior Vice President Products

**Strážka TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Toto vyhlásenie o zhode sa ukladá ako dokument pmp-2380

Cambium Networks Ltd s svojo izključno odgovornostjo izjavlja, da so proizvodi, na katere se nanaša ta izjava, v skladu z veljavnimi bistvenimi zahtevami naslednje direktive (direktiv) Sveta Evrope:

- 2014/53/EU Evropskega parlamenta in Sveta z dne 16. aprila 2014 o usklajevanju zakonodaje držav članic o dajanju radijske opreme na trg in o razveljavitvi Direktive 1999/5/EC
- 2011/65/EU Evropskega parlamenta in Sveta z dne 8. junija 2011 o omejevanju uporabe nekaterih nevarnih snovi v električni in elektronski opremi (direktiva RoHS)

**Izdelki:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Proizvajalec:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Opis:** Point-to-Point brezžični Ethernet most

**Model:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Opis	Številke delov	Veljavne direktive
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variante:** Sistem 3 GHz PTP 450i vključuje integrirano 19 dBi dvojno poševno anteno (Cambium Networks P / N C030045D901A) in konektorizirane različice antene za uporabo z namenskimi zunanji antenami in je lahko dobavljen z izbirno izboljšano ali standardno PoE, gigabitno zaščito pred prenapetostjo ali enoto za zaščito pred strelo (PTP-LPU)

**Opomba:** Nazivni dobički namenskih zunanjih anten so navedeni spodaj

Vgrajena antena	Nominalni dobiček
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Skladnost:** Metode, uporabljene za dokazovanje skladnosti:

**Direktiva o radijski opremi:-**

- Priloga II z uporabo usklajenih standardov
  - Article 3.1(a) Varnost: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Zdravje EME: EN 50385:2017
  - Article 3.1(b) EMC standardi: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radijska zmogljivost: EN 302 326-2 V1.2.2


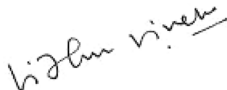
**ROHS direktiva:-** EN50581: 2012

Leto prve prijave oznake CE: 2019

Dated: 14-01-2021

Kraj: Ashburton

**Podpisi:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Skrbnik TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Ta izjava o skladnosti je shranjena kot dokument pmp-2380

Cambium Networks Ltd declara bajo su exclusiva responsabilidad que los productos a los que se refiere la presente declaración se ajustan a los requisitos esenciales aplicables de la (s) siguiente (s) Directiva (s) del Consejo de las Comunidades Europeas:

1. 2014/53/EU del Parlamento Europeo y del Consejo, de 16 de abril de 2014, sobre la armonización de las legislaciones de los Estados miembros sobre la puesta a disposición en el mercado de los equipos de radiocomunicaciones y por la que se deroga la Directiva 1999/5/EC
2. 2011/65/EU del Parlamento Europeo y del Consejo, de 8 de junio de 2011, sobre la restricción del uso de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos (Directiva RoHS)

**Productos:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Fabricante:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Descripción:** Puente Ethernet inalámbrico punto a punto

**Modelo:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Descripción	Números de parte	Directivas aplicables
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Variantes:** El sistema PTP 450i de 3 GHz incluye una antena inclinada dual integrada de 19 dBi (Cambium Networks P / N C030045D901A) y versiones de antena conectorizada para su uso con antenas externas dedicadas y puede suministrarse con PoE opcional mejorado o estándar, protector de sobretensión gigabit o unidad de protección contra rayos (PTP-LPU)

**Nota:** Las ganancias nominales de las antenas externas dedicadas se especifican a continuación

Antena integrada	Ganancia nominal
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Conformidad:** Métodos utilizados para demostrar la conformidad:

**Directiva de equipos de radio:-**

- i. Anexo II utilizando normas armonizadas
  - a. Article 3.1(a) La seguridad: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - b. Article 3.1(a) Salud: EN 50385:2017
  - c. Article 3.1(b) Estándares de EMC: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- ii. Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - a. Rendimiento de radio: EN 302 326-2 V1.2.2



**Directiva ROHS:-** EN50581: 2012

Año de la primera aplicación de la marca CE: 2019

Anticuoado: 14-01-2021

Sitio: Ashburton

**Firmas:**

 Name: Nigel King      Title: Chief Technical Officer	 Name: Vibhu Vivek      Title: Senior Vice President Products
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**Guardián del TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Esta Declaración de conformidad se almacena como documento pmp-2380

Cambium Networks Ltd förklarar på eget ansvar att de produkter till vilka denna deklaration gäller, överensstämmer med de tillämpliga väsentliga kraven i följande direktiv (er) av Europeiska gemenskapernas råd:

- 2014/53/EU Europaparlamentets och rådets direktiv av den 16 april 2014 om harmonisering av medlemsstaternas lagstiftning om tillverkning av radioutrustning på marknaden och om upphävande av direktiv 1999/5/EC
- 2011/65/EU Europaparlamentets och rådets förordning av den 8 juni 2011 om begränsning av användningen av vissa farliga ämnen i elektrisk och elektronisk utrustning (RoHS-direktivet)

**Produkter:** Cambium Networks Cambium Networks 3 GHz PTP 450i Connectorised ODU and 3 GHz PTP 450i Integrated ODU

**Tillverkare:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP

**Beskrivning:** Point-to-Point trådlös Ethernet-brygga

**Modell:** 30Z2WHH (where Z=8 or 9, W=C or blank)

Beskrivning	Artikelnummer	Gällande direktiv
3 GHz PTP 450i END, Connectorized	C030045B001A (3082CHH)	1, 2
3 GHz PTP 450i END, No Encryption	C030045B003A (3082CHH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna	C030045B002A (3092HH)	1, 2
3 GHz PTP 450i END, Integrated High Gain Antenna, No Encryption	C030045B004A (3092HH)	1, 2
AC+DC Enhanced Power Injector (EPI)	C000065L002C	1, 2
AC Power Over Ethernet (PoE)	N000065L001C or N000000L034A	1, 2
PTP-LPU	C000065L007B	1, 2
Gigabit Surge Suppressor	C000000L033A	1, 2
Approved Software	CANOPY 15.xx.yy.zz or later (15=major release, xx=minor release, yy=point release, zz=dot release)	

**Varianter:** 3 GHz PTP 450i-systemet innehåller integrerad 19 dBi dubbel lutande antenn (Cambium Networks P / N C030045D901A) och anslutna antennversioner för användning med dedikerade externa antenner och kan levereras med tillvalet förbättrad eller standard PoE, gigabit överspänningsskydd eller blixtskyddsenshet (PTP-LPU)

**Notera:** De nominella vinsterna för de dedikerade externa antennerna anges nedan

Integrerad antenn	Nominell vinst
Flat Plate	17 dBi Sector
Flat Plate	19 dBi Directional

**Överensstämmelse:** Metoder som används för att visa överensstämmelse:

**Direktivet om radioutrustning:-**

- Bilaga II med harmoniserade standarder
  - Article 3.1(a) Säkerhet: EN 60950-22:2006; EN 62368-1:2014+A11:2017
  - Article 3.1(a) Hälsa EME: EN 50385:2017
  - Article 3.1(b) EMC-standarder: EN 301 489-1 v2.1.1, EN 301 489-4 v3.1.1
- Article 3.2; Annex III Harmonized standards and Notified Body UL VS Ltd, 0889, EU Type Examination Certificate UL/12994963-116
  - Radio prestanda: EN 302 326-2 V1.2.2


**ROHS-direktivet:-** EN50581: 2012

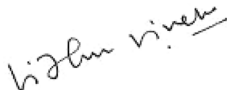
År för första ansökan om CE-märkning: 2019

Daterad: 14-01-2021

Plats: Ashburton

**Signaturer:**

  
Name: Nigel King Title: Chief Technical Officer

  
Name: Vibhu Vivek Title: Senior Vice President Products

**Behållare av TCF:** Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP  
Denna försäkran om överensstämmelse lagras som dokument pmp-2380