



EU Directives 1999/5/EC – Compliance Information for the Cisco LoRaWAN Interface Modules

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This document contains compliance information for the Cisco LoRaWAN Interface Modules which are intended to be placed on the market within the European Union, Lichtenstein, Switzerland, Iceland, Norway, Turkey and other countries that have implemented the EU Directive 1999/5/EC.

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Scope

The information in this document is applicable to the Cisco LoRaWAN Interface Modules that currently include the following model:

- IXM-LPWA-800-16-K9

The equipment operating frequency range is:

- 863-870 MHz

National regulations may require that operations be limited to portions of the frequency ranges identified above and/or at reduced power levels.

Declaration of Conformity with Regard to the EU Directive 1999/5/EC (R&TTE Directive)

This declaration is only valid for configurations (combinations of software, firmware and hardware) provided and/or supported by Cisco Systems for use within the EU or countries that have implemented the EU Directives. The use of software or firmware not supported/provided by Cisco Systems may result that the equipment is no longer compliant with the regulatory requirements.

Scope

Български [Bulgarian]	Това оборудване отговаря на съществените изисквания и приложими клаузи на Директива 1999/5/EC.
Česky [Czech]:	Toto zařízení je v souladu se základními požadavky a ostatními odpovídajícími ustanoveními Směrnice 1999/5/EC.
Dansk [Danish]:	Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.
Deutsch [German]:	Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EU.
Eesti [Estonian]:	See seade vastab direktiivi 1999/5/EÜ olulistele nõuetele ja teistele asjakohastele sätetele.
English:	This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]:	Este equipo cumple con los requisitos esenciales así como con otras disposiciones de la Directiva 1999/5/CE.
Ελληνική [Greek]:	Αυτός ο εξοπλισμός είναι σε συμμόρφωση με τις ουσιώδεις απαιτήσεις και άλλες σχετικές διατάξεις της Οδηγίας 1999/5/EC.
Français [French]:	Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/EC.
Íslenska [Icelandic]:	Þetta tæki er samkvæmt grunnkröfum og öðrum viðeigandi ákvæðum Tilskipunar 1999/5/EC.
Italiano [Italian]:	Questo apparato é conforme ai requisiti essenziali ed agli altri principi sanciti dalla Direttiva 1999/5/CE.
Latviešu [Latvian]:	Šī iekārta atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]:	Šis įrenginys tenkina 1999/5/EB Direktyvos esminius reikalavimus ir kitas šios direktyvos nuostatas.

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CE Marking

Nederlands [Dutch]:	Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EC.
Malti [Maltese]:	Dan l-apparat huwa konformi mal-htigiet essenzjali u l-provedimenti l-oħra rilevanti tad-Direttiva 1999/5/EC.
Magyar [Hungarian]:	Ez a készülék teljesíti az alapvető követelményeket és más 1999/5/EK irányelvben meghatározott vonatkozó rendelkezéseket.
Norsk [Norwegian]:	Dette utstyret er i samsvar med de grunnleggende krav og andre relevante bestemmelser i EU-direktiv 1999/5/EF.
Polski [Polish]:	Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE: 1999/5/EC.
Português [Portuguese]:	Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Diretiva 1999/5/EC.
Română [Romanian]:	Acest echipament este în conformitate cu cerințele esențiale și cu alte prevederi relevante ale Directivei 1999/5/EC.
Slovensko [Slovenian]:	Ta naprava je skladna z bistvenimi zahtevami in ostalimi relevantnimi pogoji Direktive 1999/5/EC.
Slovensky [Slovak]:	Toto zariadenie je v zhode so základnými požiadavkami a inými príslušnými nariadeniami direktív: 1999/5/EC.
Suomi [Finnish]:	Tämä laite täyttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.
Svenska [Swedish]:	Denna utrustning är i överensstämmelse med de väsentliga kraven och andra relevanta bestämmelser i Direktiv 1999/5/EC.
Türk [Turkish]:	Bu cihaz 1999/5/EC Direktifi'nin temel gereklerine ve ilgili diğer hükümlerine uygundur.

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Note: The full declaration of conformity for the Cisco LoRaWAN Interface Module can be found at <http://www.cisco.com/web/dofc/11358760.pdf>

The following standards were applied during the assessment of the product against the requirements of the Directive 1999/5/EC:

- Radio—EN 300 220-2; EN 300 440-2
- Health and Safety—EN 60950-1; EN 60950-22; EN 50385
- EMC—EN 301 489-1/-3

CE Marking

For the Cisco LoRaWAN Interface Module, the following CE mark is affixed to the equipment and its packaging:



Antennas

The IXM-LPWA-800-16-K9 is equipped with antenna connectors for the use of external dedicated antennas. See [Table 1 on page 4](#) for the applicable maximum conducted power settings for each antenna.

Table 1 Applicable maximum conducted power for each antenna

Antenna P/N	Antenna Gain (dBi)	Maximum Power Setting (dBm)	Antenna Name
ANT-LPWA-DB-O-N	6	<ul style="list-style-type: none"> ■ 21 dBm (869.4 MHz to 869.65 MHz) ■ 8 dBm (863.0 MHz to 869.4 MHz) 	Omni-directional
ANT-GPS-OUT-TNC	4	–	Outdoor GPS

Intended Use of the Equipment

This product can be operated indoors or outdoors.

Related Documentation

These documents provide information about the Cisco LoRaWAN Interface Module:

- *Getting Started and Product Document of Compliance for the Cisco LoRaWAN Interface Module*
- *Release Notes for IoT Field Network Director, Release 3.1*
- *Cisco IOS Release 15.6(3)M - Release Notes for Cisco IR800 Industrial Integrated Services Routers and Cisco 1000 Series Connected Grid Routers*
- *Cisco IR800 Integrated Services Router Software Configuration Guide*
- *Cisco IoT Field Network Director User Guide, Release 3.1.x*

You can find customer documentation for the Cisco LoRaWAN Interface Module at:

<http://www.cisco.com/c/en/us/support/routers/interface-module-lorawan/tsd-products-support-series-home.html>

Note: If you still have questions regarding the compliance of these products or you cannot find the information you are looking for, please send an email request to Cisco at complianceinfo@cisco.com

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see [What's New in Cisco Product Documentation](#).

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the [What's New in Cisco Product Documentation RSS feed](#). The RSS feeds are a free service.

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