
Innovatron Calypso Licensing Presentation

Innovatron markets different Calypso licenses:

Calypso The Calypso open ticketing standard.

Calypso HCE The Calypso NFC HCE remote activation for Android phones.

The **Calypso License** concerns Calypso smartcard manufacturers or Calypso portable object software developers (native cards, java cards, etc.).

The **Calypso HCE License** concerns companies wishing to develop and market software for Android phones to allow the use of the mobile phone as a Calypso portable object.

Other manufacturing companies, integrators and users utilizing the components or smartcards sold under license are not concerned by the license: they may manufacture, integrate, use the components without taking any license nor paying any fee for them.

About Innovatron.

Innovatron is at the origin of the developments of Smart Card technology since 1974.

Since 1992, a major program of Research & Development in partnership with the RATP and the SNCF has resulted in Innovatron extending the application of the Smart Card technology, enabling its use through a contactless communication interface, particularly suitable for public transport applications.

During this program, Innovatron developed proprietary technology, the subject of many patent applications protecting the investments made, and used in particular in the European remote ticketing projects, called *Icare* and *Calypso*.

The Calypso standard and the international standard ISO 14443 B directly result from the research done by Innovatron. Innovatron favors a wide deployment of these technologies and offers licenses of various kinds suiting the situations of different licensees, under fair and non-discriminatory conditions.

Innovatron manages the Calypso standard licenses for the Calypso Networks Association (CNA). These licenses give access the Calypso standard specifications in order to ensure the best compatibility between Calypso portable objects. A Calypso product integrator or user (public transport company or authority, parking applications, etc.) do not have to take a license. If you are a user, you might find the right solution for your needs by contacting other Calypso users. In this case, please contact the Calypso Networks Association (<http://www.calypsonet.org>).

Q&A

I manufacture contactless components for cards or terminals.

Do I need a Calypso license?

Yes if the contactless components are compliant with Calypso.

What is the license cost?

The cost depend on the type of product (Prime, Light, Basic, and the quantities).

Please consult our web site (www.innovatron.fr, document *CalypsoLicense*) or contact us.

I manufacture smartcards.

Do I need a Calypso license?

- Yes, if you develop or own the Calypso card software.
- No, if you embed a Calypso ready component sold under license.

What is the license cost and duration?

The cost depend on the type of product (Prime, Light, Basic, and the quantities).

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I develop Calypso smartcard software.

Do I need a Calypso license?

Yes: depending upon your activity, different Calypso licenses may apply: Calypso or Calypso HCE.

What is the license cost and duration?

Various costs exist depending upon the license and initial fee.

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I manufacture contactless readers.

Do I need a license from Innovatron?

No.

I manufacture Calypso readers.

Do I need a license from Innovatron?

No.

I manufacture contactless terminals and other ticketing equipments.

Do I need a license from Innovatron?

No.

I integrate contactless ticketing systems.

Do I need a license from Innovatron?

No.

I operate a contactless ticketing system.

Do I need a license from Innovatron?

No.

To contact Innovatron

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