

Calypso[®] basic

from Calypso Networks Association

www.calypsonet.org

Contactless paper tickets done right, at the lowest cost, for full contactless ticketing.

A highly secure contactless and very low cost ticket, avoiding magnetic stripes, barcodes / QR Codes and proprietary contactless tickets, using technology based on open standards created by the transport community, for the transport community.

Calypso Prime, Calypso Light and Calypso Basic are all compliant with international standards, independently certified, and designed to share the same data model while keeping a low footprint in the terminal's software to manage ticketing transactions.

KEY BENEFITS

- ✓ High security and fast contactless transactions
- ✓ Reusable and reloadable cards for more sustainable ticketing
- ✓ Strictly compliant to all standards
- ✓ Full, independent, end-to-end certification
- ✓ Fixed file structure for a smooth integration into existing Calypso schemes
- ✓ Available from multiple suppliers
- ✓ An immediate answer to quickly address occasional users and single trip tickets
- ✓ Low installation and integration costs
- ✓ Provides the same functional security level as Calypso Prime and Calypso Light
- ✓ Supports one contract
- ✓ **Available for deployment in the field from 2022**

USE CASES

Basic is the perfect product to complement the range of Calypso cards, for passengers that only use public transport occasionally.

Use Basic to benefit from a low-cost – but highly secured – contactless ticket, bringing an efficient solution to single-trip usage. Tickets are created under the same data model as in Calypso Prime and Calypso Light, and managed in the terminals with the same software.

Basic can also be used in many fields other than transport, wherever secured, efficient and low-cost ticketing is required.

TECHNICAL DETAILS

- ISO/IEC 14443 and CEN/TS 16794
- ISO/IEC 7816-4
- Calypso Secure Session with Triple DES hierarchical keys
- Common criteria EAL2+ hardware and software OR EAL4+ hardware only
- 1 contract
- Tailored for any data model (e.g., EN 1545 transport data structures)