

Calypso® LIGHT

from Calypso Networks Association

▶ www.calypsonet.org

Focused on transport, events and access control,
perfect for occasional users.

Dedicated to transport ticketing and usable for other applications like access control,
an ideal solution for low-cost contactless cards.

It meets the needs of occasional users and account based ticketing, 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
- ✓ Adapted to ABT schemes, with highly secure authentication
- ✓ An immediate answer to quickly address occasional and regular users of Public Transport
- ✓ Provides the same security level as Calypso Prime
- ✓ Supports two contracts

USE CASES

Light benefits from Calypso's high security and performance, thanks to a full adherence to standards and low-cost cards. Use Calypso Light to complete your range of cards, from annual and monthly passes to occasional travellers' tickets, with only a minor modification to your equipment software.

Introduce an Account Based Ticketing (ABT) scheme that delivers strong authentication with a secure token on a low-cost card.

TECHNICAL DETAILS

- ISO/IEC 14443 and CEN/TS 16794
- ISO/IEC 7816-4
- Calypso Secure Session with Triple DES hierarchical keys
- Common criteria EAL4+ hardware platform
- 2 distinct file structures: legacy and standard
- Counters, cyclic log of events and other applicative data
- Tailored for any data model (e.g., EN 1545 transport data structures)