

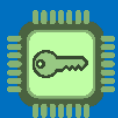
QLAP[®]

Calypso™ Light Application
FOR CALYPSO TRANSPORTATION SYSTEMS



QLAP is a Calypso™ smart ticket IC

Made for anonymous, fast and secure contactless transactions



Highly Secure
& Anonymous



Easy-to-integrate
& Interoperable



Cost
Effective



Fast
Transaction



Support
at every stages

Calypso Light Application (CLAP) is an intermediate Calypso product allowing to supply ticket in high volume, at low cost and without compromising system security.

Made for answering occasional and anonymous transport demand, QLAP micro-controller in smart ticket permits to avoid registration while maintaining a high level of security. QLAP is interoperable and can easily be integrated with existing Calypso systems.

Ported on CC EAL 5+ high certified Integrated Circuit (IC), QLAP provides the last brick for Public Transport Operator willing to offer, aside annual subscription, a secure ticketing offer.

GENERAL FEATURES

Reusable and reloadable cards for a sustainable ticketing

An immediate answer to quickly address occasional users

Smooth integration into existing Calypso schemes

High security and fast contactless transactions

Perfectly adapted to ABT schemes

Strictly compliant to all standards

Highly secure authentication



Source: Calypso CNA 2018

GENERAL FEATURES

- DATA STRUCTURE ISO/IEC 7816-4
- FILE STRUCTURE 31h and 32h
- SECURE SESSION Tripe DES hierarchical keys
- INTEGRATED CIRCUIT CC EAL 5+ high certified
- COMMUNICATION ISO/IEC 14443-A/-B | T=CL
- INTEROPERABILITY -A/-B dynamic switch

PACKAGING

- WAFER SAWN WAFER
- MODULE 240 μm
350 μm
- PRELAMINATE PVC
PET
PC

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