The Calypso® Basic Ticket from **nagels** – low cost solution with full performance

At **nagels**, in addition to the Calypso® Light Ticket, you can get the cost-effective Calypso® Basic Ticket - with full performance for complete contactless ticketing. A highly secure ticket avoiding magnetic stripes, barcodes and QR codes, but is equipped with certified technology based on open standards.

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

nagels creates a perfect product to complement the Calypso® product line with the Calypso® Basic Ticket. The ticket is particularly suitable for passengers who use local transport only irregularly. Use the Calypso® Basic Ticket and benefit from a cost-effective - but highly secure contactless ticket - an efficient solution for one-way tickets. Tickets are created with the same data model as in Calypso® Prime and Calypso® Light and managed in the terminals with the same software.

With Calypso® Basic, providers can keep their existing infrastructure unchanged. No changes to the data model are required and no special terminals are needed to process a Calypso® Basic ticket, as the same command set is used for the entire Calypso® product portfolio. In addition, the Basic Ticket from **nagels** offers an unprecedented level of security in this product segment.

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
- Tailored for any data model (e.g., EN 1545 transport data structures)

COMPARISON OF CALYPSO® BASIC WITH OTHER CONTACTLESS TICKETS:

	Calypso® Basic	Other Contactless Ticket
Security	EAL2+ certified Only authorised terminals may change data	No security certification Data may be changed freely
Communication	Full ISO14443 compliant	Partial ISO14443 compliance
Data organisation	Application structured into DF and EFs in accordance with ISO7816	Continuous memory
Transaction atomicity	Yes, via the Calypso® Session mechanism	No