







Calypso® basic






Highly secure, cost-efficient ticketing: Calypso Basic is used to meet the needs of a diverse ridership, providing an ideal solution for infrequent travellers.

-  Issue **reusable**, contactless paper tickets
-  Enable passengers to **reload tickets via mobile** or at the kiosk
-  **Works seamlessly within existing systems** to enable cost-efficient ticketing through simple integrations
-  **High level of security:** EAL2+ hardware + software, EAL4+ hardware, supported by Triple DES cryptography and a 1,000 read/write lifecycle limit
-  Tickets enable **integrated fares across multimodal journeys** for seamless, sustainable travel
-  **Fully certified and compliant** with international standards

Calypso
Networks Association

How Calypso Basic solves the challenge of managing infrequent travellers

Have you noticed how your passengers' behaviours today are **less consistent** and **more unpredictable** than ever? **Frequency of travel is changing:** regular commuter numbers are down by around two thirds. Yet serving **occasional users** is beset with challenges. Most ticket media is either cheap and insecure, or costly and over-engineered.

-  **Magnetic tickets** are still used by many networks, but come with complex and costly mechanical requirements to implement and maintain.
-  **QR code tickets** are insecure and unreliable, frustrating passengers when they cannot be read or scanned properly, when mobile signal is poor or the battery is depleted.
-  **Memory-based contactless tickets** offer great ergonomics for passengers and fast transaction speeds, but have weak security prone to fraud or hacks.
-  **Mobile ticketing** is helping some networks better serve infrequent travellers, but it is not available or accessible to those without a bank account or smart device.
-  **EMV® ticketing** enables passengers to tap and go using their bank card, but offers limited concessionary tickets, is subject to interchange fees and is inaccessible for the unbanked.

So, how can you offer a secure, reusable ticket to occasional travellers that doesn't cost more than the price of the journey? With Calypso Basic!

How does Calypso Basic compare to other ticketing offers for occasional travellers?

	Magnetic ticket	QR code ticket	Contactless memory ticket	EMV®	Calypso [®] basic
Usability					
Ergonomics	✗	✗ ✗	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
Management of passenger flows	✗	✗ ✗ ✗	✓ ✓ ✓	✓ ✓	✓ ✓ ✓
Inclusivity	✓ ✓	✗	✓ ✓	✗ ✗	✓ ✓ ✓
Trust					
Security	✗ ✗	✗ ✗ ✗	✗	✓ ✓	✓ ✓
Reliability	✗ ✗	✗	✓ ✓	✓	✓ ✓
Data sovereignty	✓	✓	✓	✗ ✗ ✗	✓ ✓ ✓
Cost & Implementation					
Implementation	✗ ✗ ✗	✗ ✗	✗	✗ ✗	✓ ✓
Total cost	✗ ✗	✗	✗	✗ ✗ ✗	✓ ✓
Guarantee of supply	✓	✓ ✓	✗	✓	✓ ✓
Innovation					
Impact on sustainable development	✗ ✗	✗ ✗	✗ ✗	✓	✓
Seen as a modern offer by passengers	✗ ✗ ✗	✗	✓ ✓	✓ ✓	✓ ✓
Top up with smartphone	✗ ✗ ✗	✗ ✗ ✗	✗ ✗ ✗	✗ ✗ ✗	✓ ✓ ✓

- Visit our website - calypsonet.org
- Email us - contact@calypsonet.org
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Why Calypso?

Calypso is a recognised and trusted global technical standard.

Primarily used by the mobility community, it **enables the delivery of reliable, convenient, secure and interoperable ticketing** and access control systems.

Through an open and collaborative technical framework, organisations worldwide build and sell products that conform to Calypso standards. This open approach promotes competition, **lowers the total cost of ownership and inspires innovation.**

Anyone with an active interest in ticketing can contribute to the evolution of the Calypso Open Standard. This collaboration **ensures agile, integrated and personalised technical ambitions can be achieved.**

