H2 COMPUTE

Digital LinQ

DIGITAL LINK & PRODUCT VERIFICATION SOLUTIONS

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What is Digital LinQ?
Digital LinQ connects physical products with trusted digital information through a single, standardized code.

By scanning a 2D code such as a QR Code or Data Matrix, stakeholders can securely access product data tailored to their needs — from regulatory and supply chain information to sustainability, authenticity, and consumer-facing content.

Digital LinQ enables transparency, compliance, and future-ready product communication across the entire product lifecycle.

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Benefits of Digital LinQ

Manufacturers (Brand Owners)

- Single global identifier linking physical products to digital content
- Regulatory readiness (DPP, ePIL, serialization, traceability)
- Dynamic content updates without changing packaging
- Improved product authenticity & anti-counterfeiting
- Lifecycle data management (manufacturing, distribution, end-of-life)
- Reduced operational complexity by replacing multiple codes
- Better consumer engagement through trusted product information
- Scalable platform for future regulations and markets

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Benefits of Digital LinQ

Retailers

- Standardized product information access via existing scanners
- Improved inventory & product data accuracy
- Simplified recalls and traceability
- Enhanced trust in product authenticity
- Reduced dependency on proprietary systems
- Seamless integration with POS and backend systems
- Future-proof scanning infrastructure (2D-ready)

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Benefits of Digital LinQ

Retailers

- Instant access to trusted product information
- Authenticity verification at point of use
- Clear sustainability & recycling guidance
- Multilingual and country-specific content
- Improved transparency and trust
- No app required – simple scan with smartphone camera
- Safer purchase decisions

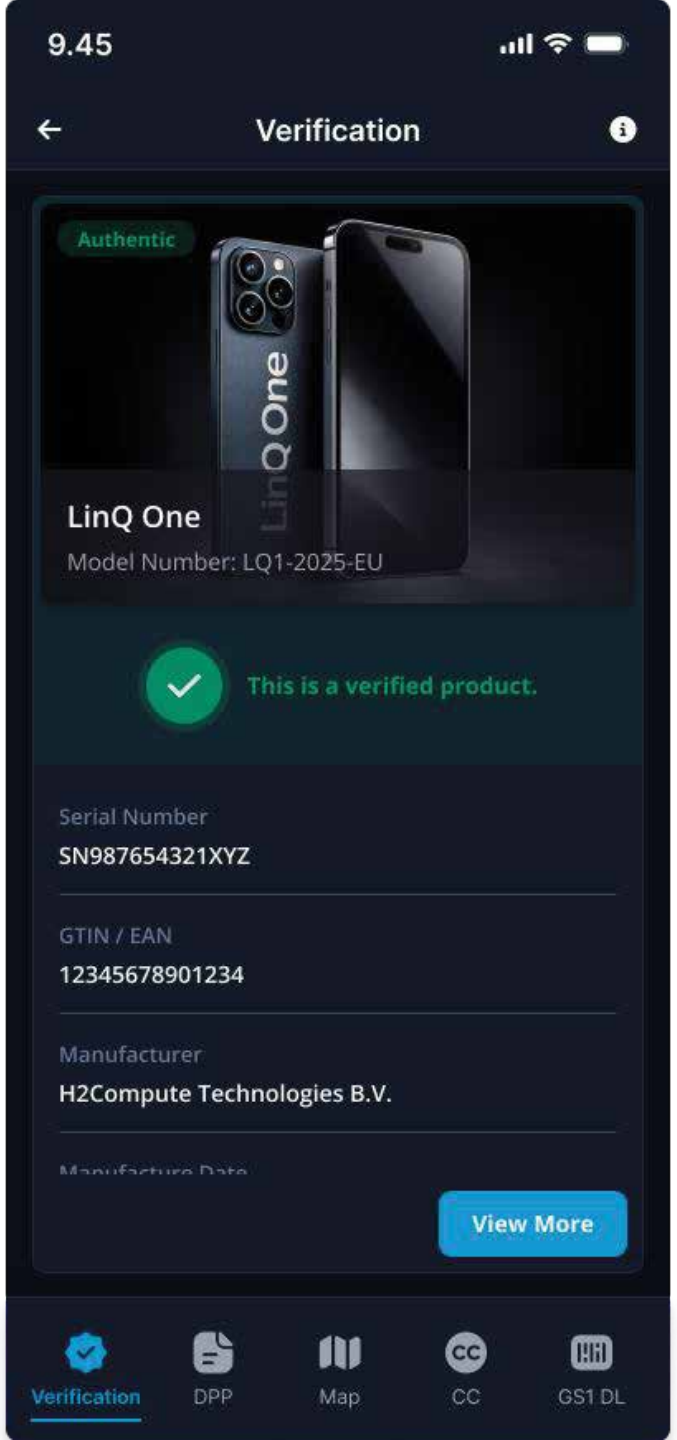
Digital Product Passport (DPP)

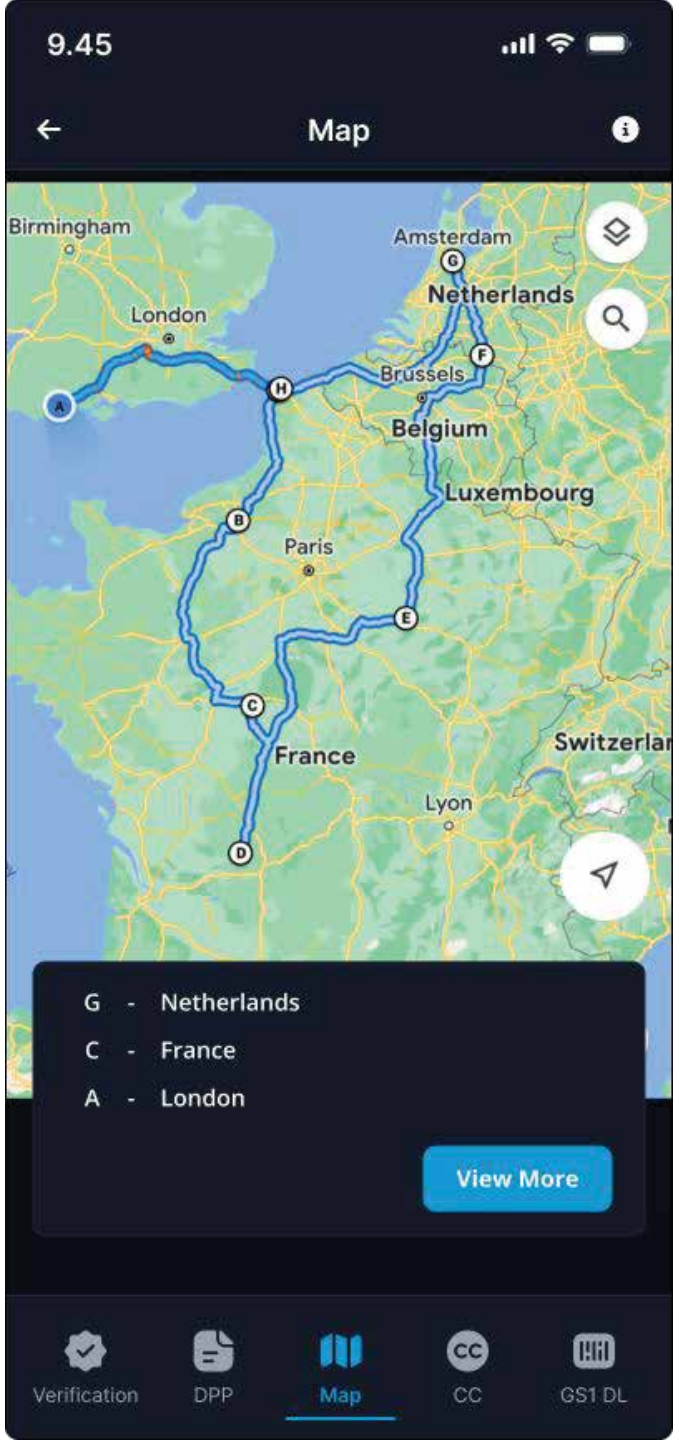
What is the Digital Product Passport (DPP)?

The Digital Product Passport (DPP) is a digital product identity that stores key information about a product.

It can include details such as:
- Materials and components
- Manufacturing location
- Repairability and durability
- Recyclability
- Origin of raw materials
- Environmental impact

The DPP aims to increase transparency and support a circular economy.





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Digital Product Passport (DPP)

How does the Digital Product Passport work?

1. Data is collected
Manufacturers, suppliers, and other stakeholders record product information throughout the supply chain.

2. Data is stored centrally
Information is stored in a digital database or on a dedicated platform.

3. A unique product code is generated
Each product receives a unique digital code (e.g., QR code or RFID) that links to its DPP.

4. The code is attached to the product
The code can be printed on packaging, applied to the product, or included in the documentation.

5. Anyone can access the DPP
Users can scan the code with a smartphone or access the DPP via a platform.

Digital Product Passport (DPP)

What are the benefits of the Digital Product Passport?

- More transparency

Consumers and authorities can easily see what materials and components a product contains.

- Improved recyclability

Recycling companies can identify how to dismantle and recycle the product correctly.

- Increased sustainability

The DPP helps reduce waste, conserve resources, and lower CO_2 emissions.

- Supports repair and reuse

Repair guides and spare parts information become easier to access, extending product lifespan.

- Enhanced consumer safety

Hazardous materials or recall information can be communicated faster and more reliably.

- More efficient supply chains

Companies can better trace the origin of materials

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Why H2Compute is the ideal partner for Digital LinQ

H2Compute combines deep industry expertise, technical excellence, and agile execution, making us a highly capable partner for Digital Link implementations.

H2Compute provides custom built and scenario specific software solutions such as ERPs for a specific domain requirements in addition to our hallmark product : Digital Linq.

2. Cross-Industry Experience

Beyond pharma, we support customers in sectors such as:

- Food and beverage
- Cosmetics
- Industrial goods

This broad experience enables us to deliver Digital LinQ solutions that are:

- Adaptable across industries
- Tailored to specific market and regulatory demands

1. Pharmaceutical Expertise & Serialization Experience

Originating from the pharmaceutical sector, we possess extensive knowledge of:

- Serialization and track & trace systems
- Regulatory requirements and compliance standards
- Global supply chain complexity and security needs

We already supply global pharmaceutical players, demonstrating our ability to meet the highest quality and reliability expectations.

3. Exceptional Agility & Customization

H2Compute is highly agile and can quickly adapt to customer-specific requirements. We do not offer one-size-fits-all solutions. Instead, we tailor:

- Data structure
- Data transmission
- Landing page / user interface
- Workflow and processes

The Solution

We design the data architecture to be:

- Scalable
- Robust
- Secure
- Fully compliant with regulatory expectations

We ensure seamless integration with existing IT landscapes and supply chain systems.

Professional Digital LinQ Landing Page

The landing page is a central element of the Digital Link. We deliver a customized, user-friendly, and brand-consistent landing page that:

- Presents information clearly and intuitively
- Supports multi-language requirements
- Ensures data security and privacy
- Aligned with the target audience and customer branding

Digital LinQ

Addresses key supply chain risks
Anti-theft, pilferage, diversion and counterfeiting threaten revenue, patient safety and regulatory compliance

Built on GS1 Digital Link standards
Connects physical products to secure digital information via a single 2D code (QR or Data Matrix)

Uses globally unique identifiers
GTIN, batch/lot and serial numbers embedded in a web-addressable, scan-ready format

Supports faster investigations & recalls
Helps pinpoint where and when theft or diversion occurred

Strengthens trust and compliance

Enables end-to-end visibility & authentication
Instant product verification at every supply chain stage by distributors, pharmacies, hospitals and regulators

Real-time detection of anomalies
Identifies tampered, diverted or counterfeit products before they reach patients

Full traceability across checkpoints
Links every unit to a digital record, enabling tracking of missing or diverted products

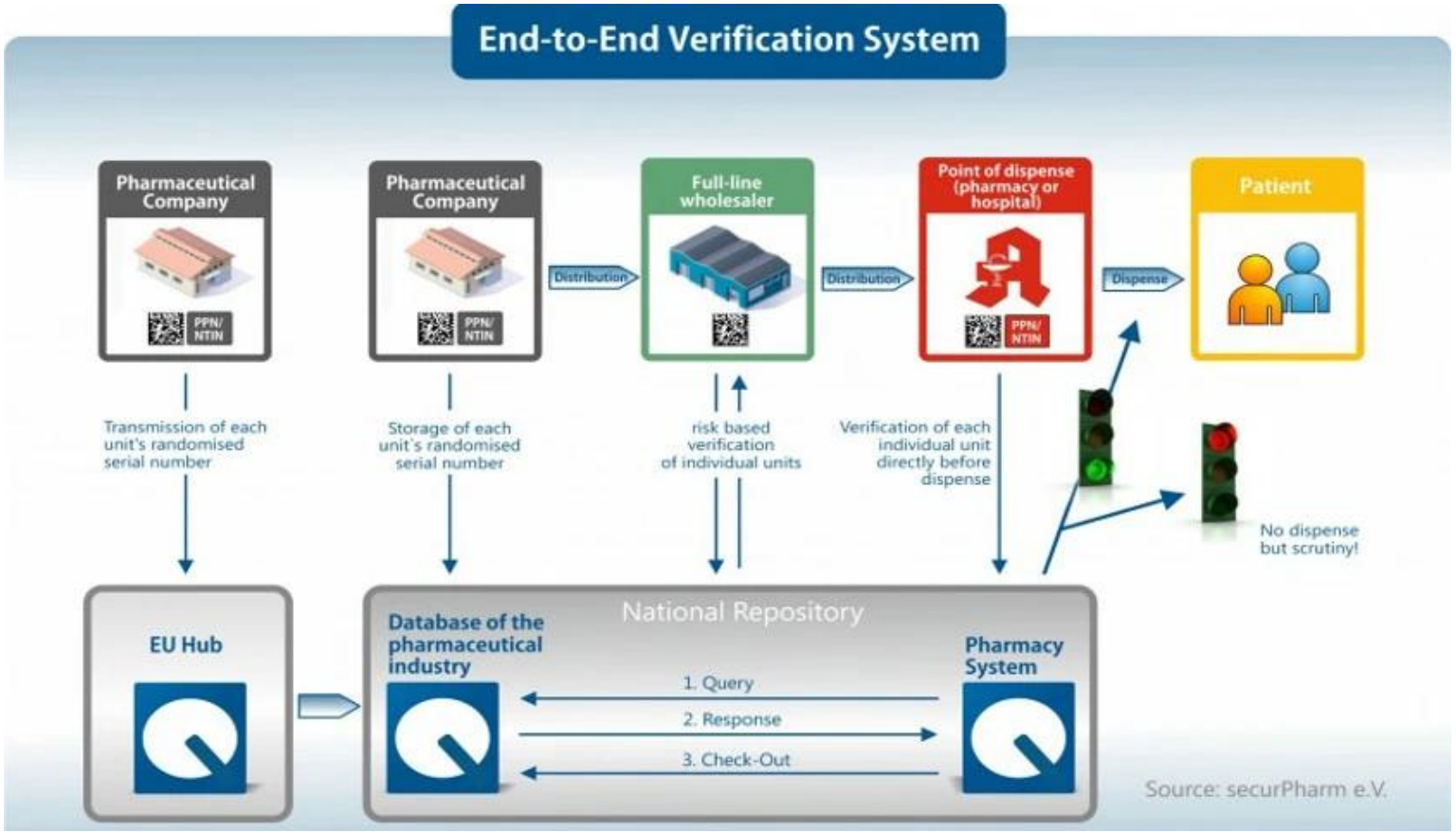
Batch- and serial-level verification
Confirms authenticity of specific lots or individual units, not just product type

Digital LinQ

Scan-based movement logging
Each scan at manufacturing, transit, distribution or point of care creates a verified movement record

End-to-end traceability
Builds a continuous digital audit trail of product location and custody

Real-time visibility across stakeholders
Enables manufacturers, logistics providers, pharmacies, hospitals and regulators to access trusted data



Verification at every checkpoint
Confirms authenticity, routing and regulatory status before logging movements

Supports compliance & investigations
Facilitates recalls, discrepancy resolution and chain-of-responsibility documentation

Improves operational control & patient safety
Reduces lost, misdirected or diverted products across the supply chain

As soon as a drug package is scanned at the pharmacy, the scanned code is matched with an online database to verify that it is a legal, safe medicine.

THANK YOU