



*...a cloud-based serial data host and verification system...*

### Blue sky thinking solutions

TTM300™ is a cloud-based serial data host and verification system designed to cater for a variety of different usage scenarios that is able to present as a webpage or web service. TTM300™ has been designed primarily to be integrated into 3rd party applications to form the link between production/manufacturing serialised data registration and front line verification services. The solution is able to be used in conjunction with mobile phone code reading technology, simple barcode readers or complex application suites.

In its simplest form, TTM300™ provides a two way cloud-based service allowing:

- Data population from manufacturing.
- Data verification from users.

### Safety in numbers in the comfort of the cloud

Providing the services in a hosted, cloud environment releases the need to host locally and implement necessary layers of extra network security. All connections to TTM300™ from the manufacturer are SSL protected as a minimum. The system can be configured on the consumer side to be either open (like a normal web page), SSL protected or SSL protected with specific user login. Even when used with mobile devices, such as the TTM200™, the system can be configured to only accept connections from authorised handsets.

#### HOW IT WORKS

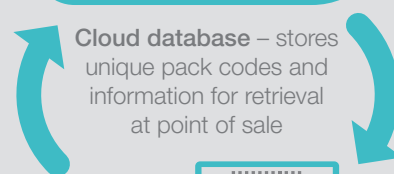


**Factories and production lines**

Unique codes are assigned and sent to the cloud database



**Cloud database** – stores unique pack codes and information for retrieval at point of sale



**External devices**

Codes are scanned by a variety of hardware and information is provided for that unique pack



## In or out, public or private – but always up to date

TTM300™ is able to provide customised reporting regarding the status of serial data held at the host (in the cloud) as well as customised workflow/process flow to the users. Typical usage examples would be:

- Simple product verification.
- Product verification and sale – subsequent verifications of the same product would fail (sold product).
- Product tracking e.g. last seen at location XYZ or last queried by user ABC.
- Product inventory monitoring, e.g. part used in assembly DEF.

TTM300™ can be easily configured to operate from an external hosting provider (cloud-based) or within an internally hosted environment (private cloud). Able to operate using Microsoft® SQL Server®, MySQL® or Oracle® database, TTM300™ provides maximum flexibility and minimal installation and maintenance costs. TTM300™ is designed for low to medium volume applications and is provided as a packaged solution that should be used in conjunction with local security solutions (UTM, Firewall etc).

When configured to operate in a simple product verification model, TTM300™ provides multiple identical responses for each same code scanned. In product verification and sale configuration, TTM300™ provides product details on first request and simultaneously amends the product status to 'sold' preventing further distribution of product details and instead returning 'product already sold' messaging.

## Reliable data on the go and anywhere

As well as providing a cloud-based solution, TTM300™ is also available in a form compatible with SMS systems providing a simple to use alternative to web-based systems and thus enabling a wide variety of non-web enabled mobile phones. In SMS configuration, TTM300™ is ideal for deployment in areas and situations where widespread access to the internet is either unavailable or impractical logistically or for security reasons.

## There's no faking it with TTM300™

Already deployed in a medical application, TTM300™ provides a fast economical means of allowing a third party application suite to verify incoming product and to obtain extended information about the product. Once scanned and committed to stock, the product code status on the host is amended so that further scans will result in a 'product already sold' response. This effectively protects against counterfeits and provides a simple and secure mechanism for obtaining complete product information.

### For further information on Melior Solutions products please contact us at:

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