Magicard 600 and Magicard 300:

Single Line Encoding

101101
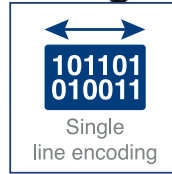010011
Single
line encoding

Central data, local print. Many enterprises hold sensitive and personal information securely within a protected datacentre. Organisations such as Banks, Retailers and Travel companies need to use some of that data to print cards for customers and employees at a local branch level.

The solution. In order to comply with regulations such as GDPR, the challenge has been to keep that information secure as it is sent from the datacentre to the printer. Single Line Encoding - also known as Single Wire Encoding-allows for data packaged at source to be sent securely from the datacentre to be unpacked at its destination and used by the printer's application.

The Magicard 600 and Magicard 300 are available as variants with Single Line Encoding capability. This enables encoding over USB, Ethernet or WiFi* using PC/SC APDU commands.
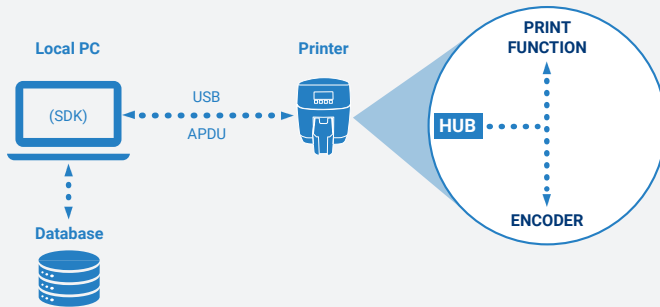
Essentially, the user's application at source must use Magicard SDK to wrap the APDU which is unwrapped by the printer and sent to the encoder.
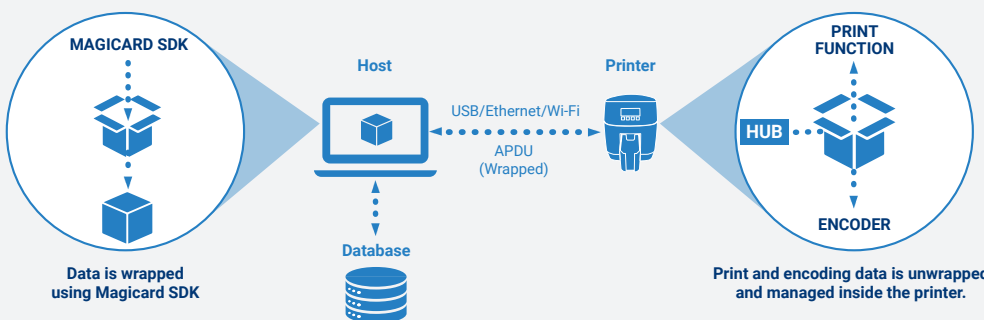
*WiFi available on the Magicard 600 series only.

SMART CARD ENCODING PROCESS - STANDARD

Print function and encoder are treated as two separate devices.

Local PC   **Printer**

(SDK)

USB
APDU

PRINT
FUNCTION

HUB

ENCODER

Database

SMART CARD ENCODING PROCESS - SINGLE LINE

Print and encoding data is sent to the print function where it is unwrapped and sent to the encoder.

MAGICARD SDK   **Host**   **Printer**

USB/Ethernet/Wi-Fi

APDU
(Wrapped)

PRINT
FUNCTION

HUB

ENCODER

Database

**Data is wrapped
using Magicard SDK**

**Print and encoding data is unwrapped
and managed inside the printer.**

Travel

M

Retail

M

Banking

M

MAGiCARD

600

300

Printer specifications

Print mode
Colour dye sublimation, monochrome thermal printing and rewritable technology.

Print speed - single-sided
Full colour: Up to 190 cards per hour.

Card security
10 x HoloKote designs
HoloPatch Cards
10 x Custom HoloKote designs

Encoding security options
Magnetic stripe encoding: HiCo and LoCo ISO 7811.
Smart card encoding: Contact chip, MIFARE®, DESFire® and iClass®. Others available.
Single line encoding.

Warranty**
3 year MagiCoverPlus with full printhead coverage and free loaner service - Available in North America, EU and other selected territories. **Elsewhere a minimum of one year limited depot warranty.

Card capacity
100 card feeder, 70-card stacker.

Printer interfaces
High Speed USB 2.0, USB 3.0 compatible - Type B, 10/100 Ethernet. External Host USB Port. Wi-Fi via supplied dongle.

Driver compatibility
Windows 7, 8, 10, 11 (32 and 64bit) Windows server 2008, 2012, 2016.
Linux with CUPS support and Mac OS X 10.9.0 upwards.

Weight
4.7kg /10.4lb

Variants

	Part No.
Magicard 600 Uno	**3652-5001/2***
Magicard 600 Uno	**3652-5001/3***
Magicard 600 Uno Mag	**3652-5002/2***
Magicard 600 Uno Mag	**3652-5002/3***
Magicard 600 Uno Smart	**3652-5003/2***
Magicard 600 Uno Smart	**3652-5003/3***
Magicard 600 Uno Smart SLE	**3652-5005/2***
Magicard 600 Uno Smart SLE	**3652-5005/3***
Magicard 600 Uno Mag Smart	**3652-5004/2***
Magicard 600 Uno Mag Smart	**3652-5004/3***
Magicard 600 Uno Mag Smart SLE	**3652-5006/2***
Magicard 600 Uno Mag Smart SLE	**3652-5006/3***
Magicard 600 Duo	**3652-5021/2***
Magicard 600 Duo	**3652-5021/3***
Magicard 600 Duo Mag	**3652-5022/2***
Magicard 600 Duo Mag	**3652-5022/3***
Magicard 600 Duo Smart	**3652-5023/2***
Magicard 600 Duo Smart	**3652-5023/3***
Magicard 600 Duo Smart SLE	**3652-5025/2***
Magicard 600 Duo Smart SLE	**3652-5025/3***
Magicard 600 Duo Mag Smart	**3652-5024/2***
Magicard 600 Duo Mag Smart	**3652-5024/3***
Magicard 600 Duo Mag Smart SLE	**3652-5026/2***
Magicard 600 Duo Mag Smart SLE	**3652-5026/3***

(* Region codes; /2 - USA; /3 - Europe, Japan, South Korea and Australasia)

Printer specifications

Print mode
Colour dye sublimation, monochrome thermal printing and rewritable technology.

Print speed - single-sided
Full colour: Up to 160 cards per hour.

Card security
4 x HoloKote designs
HoloPatch Cards
4 x Custom HoloKote designs

Encoding security options
Magnetic stripe encoding: HiCo and LoCo ISO 7811.
Smart card encoding: Contact chip, MIFARE®, DESFire® and iClass®. Others available.
Single line encoding.

Warranty**
3 year MagiCover Limited Warranty - Available in North America, EU and other selected territories. **Elsewhere a minimum of one year limited depot warranty.

Card capacity
100 card feeder, 70-card stacker.

Printer interfaces
High Speed USB 2.0, USB 3.0 compatible - Type B, 10/100 Ethernet. External Host USB Port.

Driver compatibility
Windows 7, 8, 10, 11 (32 and 64bit) Windows server 2008, 2012, 2016.
Linux with CUPS support and Mac OS X 10.9.0 upwards.

Weight
4.98kg /10.9lb

Power source

Variants

	Part No.
Magicard 300 Uno	**3300-0001/2***
Magicard 300 Uno	**3300-0001/3***
Magicard 300 Uno Mag	**3300-0002/2***
Magicard 300 Uno Mag	**3300-0002/3***
Magicard 300 Uno Smart	**3300-0003/2***
Magicard 300 Uno Smart	**3300-0003/3***
Magicard 300 Uno Smart SLE	**3300-0005/2***
Magicard 300 Uno Smart SLE	**3300-0005/3***
Magicard 300 Uno Mag Smart	**3300-0004/2***
Magicard 300 Uno Mag Smart	**3300-0004/3***
Magicard 300 Uno Mag Smart SLE	**3300-0006/2***
Magicard 300 Uno Mag Smart SLE	**3300-0006/3***
Magicard 300 Duo	**3300-0021/2***
Magicard 300 Duo	**3300-0021/3***
Magicard 300 Duo Mag	**3300-0022/2***
Magicard 300 Duo Mag	**3300-0022/3***
Magicard 300 Duo Smart	**3300-0023/2***
Magicard 300 Duo Smart	**3300-0023/3***
Magicard 300 Duo Smart SLE	**3300-0025/2***
Magicard 300 Duo Smart SLE	**3300-0025/3***
Magicard 300 Duo Mag Smart	**3300-0024/2***
Magicard 300 Duo Mag Smart	**3300-0024/3***
Magicard 300 Duo Mag Smart SLE	**3300-0026/2***
Magicard 300 Duo Mag Smart SLE	**3300-0026/3***

(* Region codes; /2 - USA; /3 - Europe, Japan, South Korea and Australasia)

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