



Identify what matters

A decorative graphic consisting of several overlapping circles and arcs in red and dark blue. Some circles are solid, while others are dashed. Two concentric circles are highlighted with a red outer ring and a blue inner ring. A vertical dark blue line extends from a point on one of the dashed arcs down to the title.

Evolis SDK

Glossary

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A

API : **A**pplication **P**rogramming **I**nterface, an interface between two programs, computer or server (external source: [API - Wikipedia](#)). The API is meant to ease application software development by taking in charge complex mechanisms and allows to interact with them in an easier way.

B

Bpi : Bits per inch, measurement unit for magnetic encoding (density of the information), between 75 Bpi and 21Ref0Bpi.

BUFFER : Is a region of a physical memory Storage used to Temporarily store data while it is being moved from one place to another. Typically, the data is stored in a buffer as it is retrieved from an input device (i.e. magnetic track) or just before it is sent to an output device (data to computer).

C

COERCIVITY: Corresponds to 2 types of available magnetic stripes cards. High- coercivity (HiCo) and Low-coercivity (LoCo). Lo-Co cards generally have a light brown mag stripe, Hi-Co will have a black mag stripe (colors may differ depending on the manufacturer). A correct magnetic encoding requires to set the coercivity according to the card's specifications (mostly described on the packaging).

CONTACTLESS

ENCODING:

Adding information to a chip using a wireless media. (see [here](#)).



CONTINUOUS RIBBON : refer to all Evolis monochrome ribbon (one color, no panel). Opposite of panelized ribbons.

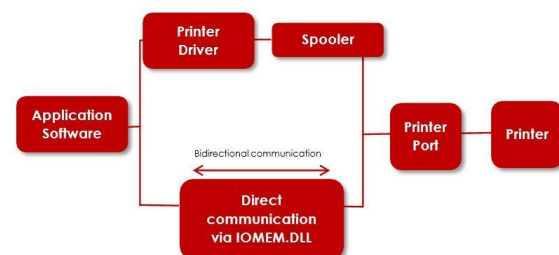
D

DEVOPS : designates the best practices and IT people who work with the developers.

DOT: Unit measure for Evolis printer. 1 mm = 11,8 dots.

DIRECT COMMUNICATION:

a communication method that consists in communication directly to a device (Evolis Printer), most of the time using a development library such a dll. Sample schematic below:



E

EVOLIS SUITE: Refer to all Evolis driver with a supervision interface (real time or on printing events notification and management), as for now : Evolis Premium Suite, Badgy Premium Suite, Edikio PrinterSuite).

ESPFsvc.properties: File that handles the **E**volis **S**ervices **P**rovider Framework server configuration.

I

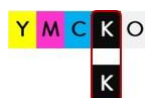
IPC: Inter Processus Communication, refers specifically to the mechanisms an operating system provides to allow the processes to manage shared data. Typically, applications can use IPC, categorized as clients and servers, where the client requests data and the server responds to client requests. Many applications are both clients and servers, as commonly seen in distributed computing ([source](#)).

J

JSON RPC V2.00: see JSON Specifications for more details (external source : [JSON- RPC 2.0 Specification \(jsonrpc.org\)](#)).

K

K : Refer to the Evolis **Black** ribbon (monochrome black continuous ribbon) or black panel.



KO : Refer to the Evolis Black and Overlay ribbon (panelized)

M

MAGNETIC ENCODING: is the action to add, modify or delete information on a magnetic stripe card (for further information, see here).

O

OVERLAY : a thin (1 µm) protective layer that protects cards against UV and mechanical friction. Called "varnish" as well.



P

PANELIZED RIBBON : Is a type of ribbon that is made of a set of panels (the most common is **Yellow Magenta Cyan Black Overlay = YMCKO**)

PIPE (named pipe): This communication mode is only available only in pure Microsoft operating system environment (for further details, please read the Microsoft documentation here).

Polling

PRINTING SESSION: a timeframe during which a printer is assigned to one or several printing jobs specified in the following format if generated automatically: JOBXXXXXX.

S

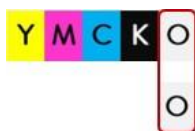
SESSION (Communication's session): A communication session is a protocol set between the printer and Evolis Premium Suite to ensure that the Evolis Premium Suite/Printer communication channel is allocated to a single client. The CMD service manages the sessions: two clients ESPF will not have concurrent access to a same printer.

T

TCP: Transmission Control Protocol is a communications standard that enables application programs and computing devices to exchange messages over a network. It is designed to send packets across the internet and ensure the successful delivery of data and messages over networks.

V

VARNISH : a thin (1 μm) protective layer that protects cards against UV and mechanical friction. Called "Overlay" as well.



Disclaimer

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