

USB NET SERVER V2

Printer option Encoding Chip Card over IP

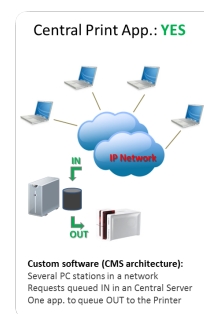
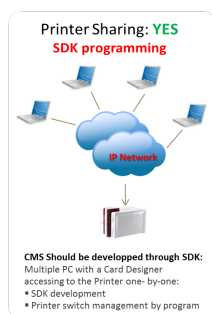


USING USB CHIP ENCODERS OVER AN IP NETWORK

The USB Net Server V2 module aims at converting USB protocols and signal into Ethernet (IP) signal. The purpose of this option is to encode contact and contactless cards over the Network.

Such configurations are allowed depending of software/ CMS architecture:

- **Point-to-Point:** One single computer accessing one printer
- **Central Printing Application:** One centralized CMS (Card Management System) organizing the card issuance by operating a waiting queue. In that case, only the CMS located on a server is managing the printer
- **Printer Sharing:** One dedicated CMS (Card Management System) managing the printer access priority from several computers. This requires a custom development and the use of the USB Net Server V2 SDK.



ORDER PROCESSING

To be processed, this option requires a dedicated order including 'on-demand' encoding options configuration:

- For distribution sales, only Primacy is available. The order needs to be placed thanks to the factory customization's form.
- When it comes to custom projects, System Integrators have access to the entire printer range (Zenius, Primacy and Elypso).

SUPPORTED PRINTERS

- Catalogue offer: Primacy 2, Primacy
- Customized printers: Zenius Expert, Primacy Lamination, Elypso

SOFTWARE & SDK

- Available FoC from Evolis Services and on our web site

TARGET MARKETS:

- Chip card issuance over an IP network
- Printer network management from a centralized Card Management System



USB NET SERVER V2

IMPORTANT NOTICE

The USB Net Server V2 option should not be used as an automatic networking or printer sharing system. Such architecture will not operate properly when several 'printing & encoding' requests are sent in parallel to the printer from a standard card designer since the USB Net Server V2 software cannot behave as a 'switchboard'.

INTERFACING PRINTERS & ENCODERS

COMMUNICATION	• USB 2.0 (USB 1.1 compatible) • Ethernet 10Base-T, 100Base-TX
OPERATING SYSTEMS	• Windows XP, W7, W8, W10 (32/64bits) • Limitation: from Windows 8, only the Windows platform supports a maximum of 10 smartcard readers. If more than 10 smartcard readers are available, APIs such as SCardListReaders return a maximum of 10. All other readers are ignored.
SOFTWARE ENVIRONMENT	Evolis SDK (for printer management): • A specific function of Iomem should be used to manage this device. Contact Evolis Services for more details. • Printer Firmware: from version 1325 • Evolis Premium Suite needs to be run in mode Minimal (not compliant with Evolis Premium SDK) • USB Net Server V2 software – SX Virtual Link: - Installation on PC side - USB devices attachment (printer and chip card encoders) - Web administration pages - The theoretical limit of the SX-UPTP driver is 64 devices that can be connected to one client via SX-Virtual Link at the same time. Those devices of course must be shared on several USB device servers on the network....

AVAILABLE OPTIONS (PRIMACY)

PRINTER	• Primacy Simplex Expert Red
MAGNETIC ENCODING OPTIONS	• MAG ISO 3-Track • MAG JIS2
CHIP CARD ENCODING OPTIONS	• Evolis Elyctis Dual encoder (Dual Chip) • Gemalto GEMPC USB-TR (Contact) • SpringCard CRAZY WRITER HSP (Contactless) • CAEN RFID UHF R1230CB (Contactless) • HID OMNIKEY® 5122 (Dual Chip) • Evolis Elatec TWN4 Multitech Legic 42 (Dual Contactless)
OTHER OPTIONS	• Printer locking system • Dual-Sided upgrade kit • Color Touch screen display • Card Lamination Module

ORDER PROCESSING & DELIVERY

ORDER MANAGEMENT	• Separate order for printer's factory customization • Mandatory configuration form submitted with the order form
DELIVERY	• Printer with USB Net Server V2 factory configured upon request: - Encoding options - Other printer's option - Identified by a special label on printer's box for configuration details - Delivery product code is the Printer's one (i.e. PM1H0000RS) • Lead time: - Less than 5 units: 10 open days from Evolis factory dock - Larger quantity: upon request • USB Net Server V2 software available on evolis.com web site

Data source: Elyctis website - MultiSlot USB Reader datasheet (v1.2)
1. Used with CR80 contactless cards / 2. Reading distance varies based on operating environment, antenna position and type of card accessed



Evolis - 14 avenue de la Fontaine - Z.I. Angers-Beaucouzé 49070 Beaucouzé - France
T +33 (0) 241 367 606 - F +33 (0) 241 367 612 - info@evolis.com

www.evolis.com