POWER OF SMART ™
ID CARD PRINTER

Selina Bright
Card ID : 34B-67-92
Cinema Service

Jone Caser
Sports Cinema

New

SMART-RW (Re-Writable)

SMART

SMART DUAL

➡ SMART Operation ○ ○ ○ ○

- Easy to put in & take out cards (front card in & front card out)
- Easy to set ribbons (cartridge type)
- Easy to replace printer head
- Easy to remove jammed card
- Easy to recognize ribbon status (automatic ribbon detection with RFID)
- Easy to check printer conditions (2 line LCD shows real-time status): Smart & Smart Dual only

➡ SMART Technology ○ ○ ○ ○

- Clear Printing technology (apply FINE imaging technology to make clear and optimized color)
- Rotator technology (easy to upgrade single side printer to dual side printer by attaching rotator in the field)
- Encoder technology (magnetic stripe / contact & contactless smart card)

➡ SMART Maintenance ○ ○ ○ ○

- Free bundle card design software (SMART Design™)
- Free bundle data management software (SMART DB ™)
- Cost competitive consumables
- Low cost maintenance

ID Card System

SMART™ ID card printer, SMART Design™ and SMART DB™ ensure you comprehensive card issuance and data management.
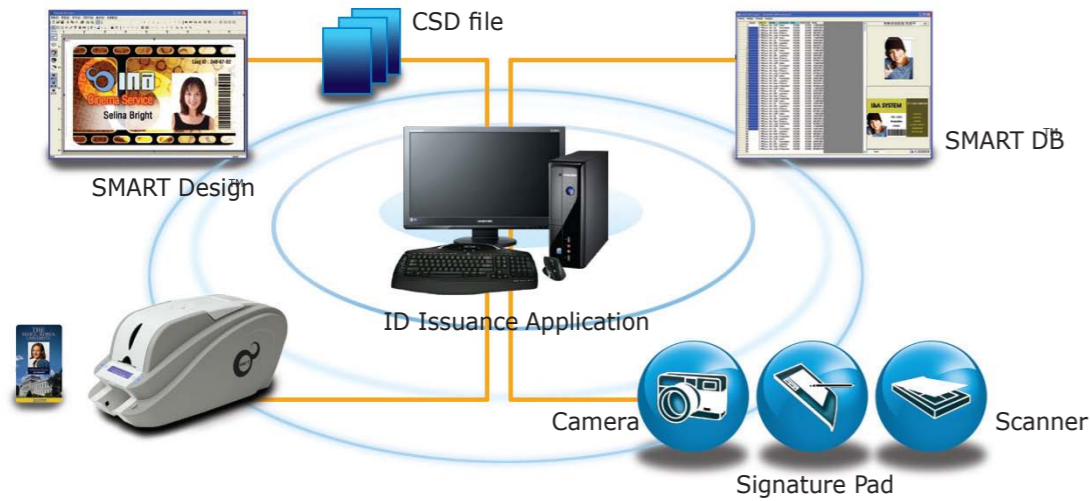
◯ **Easy Design**
SMART Design™ is a perfect tool for a quick and easy card design.

◯ **Data Management**
SMART DB™ enables you to manage data conveniently. It ensures you easy and quick data compatibility with other databases.

◯ **Real-time Data Acquisition**
Customer's data such as facial image, signature and scanned data can be imported to a printer at a time.

CSD file

SMART DB

SMART Design

ID Issuance Application

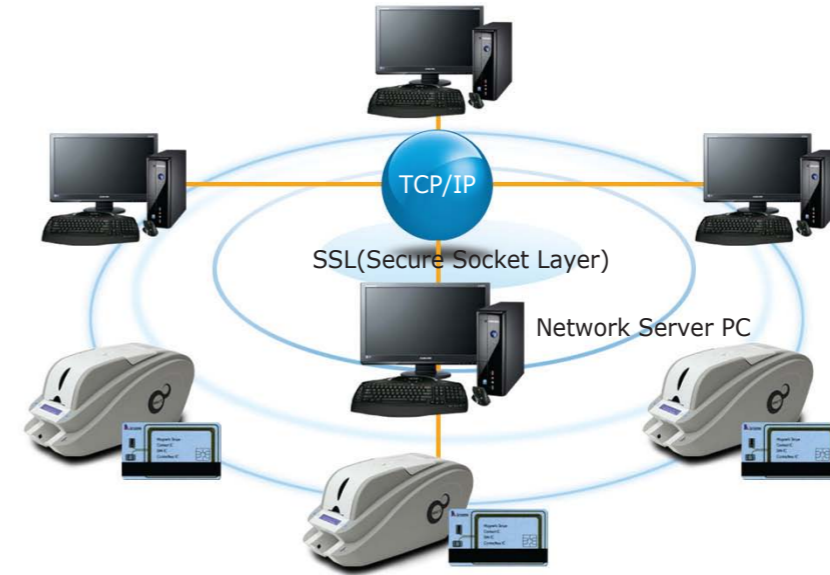Camera

Scanner

Signature Pad

Banking System

SMART™ ID card printer and its DLL enable you to issue a bank card on the spot. It satisfies financial firm's strict requirements with securing customer information.

◯ **Printing and Encoding** SMART™ ID card printer is the best solution for bank card issuance. It is possible not only to print images and texts but also to encode magnetic stripes, smart card and contactless smart card at once.

◯ **Sharing Printer** You can share SMART™ ID card printer on-line and data are perfectly secured by communication security technology (SSL-Secure Socket Layer)

◯ **Easy Development** SMART™SDK (Software Development Kit) offers convenient way to customers for customization to satisfy customers'needs.

TCP/IP

SSL(Secure Socket Layer)

Network Server PC

Security System

SMART™ ID card printer provides you with numerous visual and digital security features at high level authentication against counterfeits.

◯ **User Authentication**
SMART™ ID card printer provides you with user authentications such as password verification and hardware key lock.

◯ **PC Authentication**
Only authorized PC can access to the specific SMART™ ID card printer

◯ **Data Security**
All data transferred on USB communication are protected by unique encryption technology.

Password

PC Authentication

Hardware Key Lock

USB

ID Card System

Banking System

Security System

smart

Specifications

smart

Printing	SMART	SMART DUAL	SMART-RW
Print Type	Dye-Sublimation	Dye-Sublimation	Thermal Re-Writable
Print Area	Edge to Edge	Edge to Edge	Edge to Edge
Resolution	300 dpi	300 dpi	-
Dual Side Printing	Option	Yes	No

Cards			
Card Feeding	Automatic	Automatic	Automatic
Card Size	ISO CR-80 (54mm x 86mm / 2.12" x 3.38")	ISO CR-80 (54mm x 86mm / 2.12" x 3.38")	ISO CR-80 (54mm x 86mm / 2.12" x 3.38")
Card Thickness	0.38mm (15mil) ~ 1.0mm (40mil)	0.38mm (15mil) ~ 1.0mm (40mil)	0.38mm (15mil) ~ 1.0mm (40mil)
Card Type	PVC, Composite PVC, PET	PVC, Composite PVC, PET	Re-Writable Thermochromic

Print Speed (Max.)			
Monochrome	5 sec. (720 cards / hour)	5 sec. (720 cards / hour)	-
YMCKO	25 sec. (144 cards / hour)	25 sec. (144 cards / hour)	-
YMCKOK	30 sec. (120 cards / hour)	30 sec. (120 cards / hour)	-

Capacity			
Hopper Capacity	100 cards	100 cards	100 cards
Stacker Capacity	40 cards	40 cards	40 cards

System			
Memory	64M RAM	64M RAM	64M RAM
Control Panel	LCD Display / 2 LED Buttons	LCD Display / 2 LED Buttons	2 LED Buttons
Supported Platforms	Microsoft Windows 2000/2003/XP Windows Vista 32 bits / Windows 7	Microsoft Windows 2000/2003/XP Windows Vista 32 bits / Windows 7	Microsoft Windows 2000/2003/XP Windows Vista 32 bits / Windows 7
Communications	USB	USB	USB
Power Supply	Free Voltage (AC 110 / 220V, 50~60Hz)	Free Voltage (AC 110 / 220V, 50~60Hz)	Free Voltage (AC 110 / 220V, 50~60Hz)
Power Consumption	45W	45W	45W
Temperature / Humidity	15~35 °C / 20~80%	15~35 °C / 20~80%	15~35 °C / 20~80%

Dimensions			
Dimension (W x L x H)	170mm x 420mm x 195mm	170mm x 510mm x 195mm	170mm x 420mm x 195mm
Weight	4.5kg / 10lbs	5.5kg / 12lbs	4.5kg / 10lbs

Encoding			
Magnetic	ISO-7811 (Track I, II, III Read / Write), JIS II, HiCo / LoCo	ISO-7811 (Track I, II, III Read / Write), JIS II, HiCo / LoCo	ISO-7811 (Track I, II, III Read / Write), JIS II, HiCo / LoCo
IC (Contact)	ISO 7816 (ID-1)	ISO 7816 (ID-1)	ISO 7816 (ID-1)
RF (Internal&External)	ISO 14443 (TYPE A / B), ISO 15693, MIFARE	ISO 14443 (TYPE A / B), ISO 15693, MIFARE	ISO 14443 (TYPE A / B), ISO 15693, MIFARE

Certifications			
	CE, UL, FCC, MIC	CE, UL, FCC, MIC	CE, UL, FCC, MIC

* Specifications are subject to change without prior notice

Specifications

Type of ribbons	YMCKO	YMCKOK	BYMCKO	YMCKFO	hYMCKO	KO	K
Capacity	250	200	200	200	350	600	1200
Description	full color ribbon with resin black and overlay	full color ribbon with resin black and overlay. resin black for back side	dye black + color ribbon with resin black and overlay	full color ribbon with UV panel and overlay	half panel size color ribbon with resin black and overlay	black monochrome ribbon with overlay	black monochrome ribbon
SMART	○		○	○	○	○	○
SMART Dual	○	○	○	○	○	○	○

Type of ribbons	mG	mS	W	B	R	SO
Capacity	1200	1200	1200	1200	1200	1200
Description	metallic gold monochrome ribbon	metallic silver monochrome ribbon	white monochrome ribbon	blue monochrome ribbon	red monochrmoe ribbon	scratch off monochrome ribbon
SMART	○	○	○	○	○	○
SMART Dual	○	○	○	○	○	○

DIMENSION

195mm(7.7inch)
90mm(3.5inch)
170mm(6.7inch)
420mm(16.5inch)

LAMINEX-ID