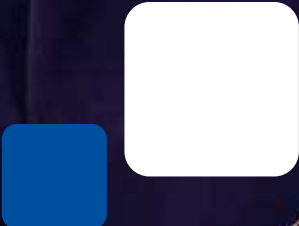# DNP

CARD PRINTERS
protect & ensure your identification

DNP CX-D80 SERIES

- **CX-D80HS**   (600 dpi, double sided printer)
- **CX-D80DS**   (300 dpi, double sided printer)
- **CX-D80SRS** (300 dpi, single sided printer)

As the latest in the CX Series, the printer delivers the maximum impact and ease-of-use with glossy photo, real edge-to-edge printing, remains free of head-damage and offers real versatility all with an extreme smaller body design. DNP CX-D80HS/CX-D80DS/CX-D80SRS have a thermal retransfer printing engine of which quality and reliability are acclaimed by users worldwide.

Usage

DNP CX series have been supplied for:
- National ID cards
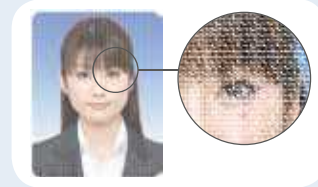- Driving licenses
- Ministry officer ID cards

CX-D80HS

600 dpi high resolution

300 DPI

600 DPI

Colors, logos and fine characters, which are difficult to print by conventional card printers, can be printed clearly

Micro text capacity

The high resolution of 600 dpi allows printing crisp, tiny characters.

Security Features

IP Sec
IP Sec prevents stealing information of printed data via network connection.

Security Erase

It makes the personal info hard to read and makes disposal of used ribbon easily. Besides YMCK, Security Erase is now available at YMCKK and YMCKUv ink ribbon.

Dye-Sub UV ink

UV ink makes complete invisible print by flat print portion compared to resin UV. It enhances protection of forgery cards

Security Lock

Self type lock for card hopper and front door set via Status Monitor is equipped. And what's more, Kensington lock is equipped to guard your printer.

Specifications

Dimension
343 x 322 x 335 mm (w x d x h)

Weight
- 13.0 kg (Single side without optional unit)
- 15.5 kg (Dual side with all optional units installed)

Power supply
- Maximum 3.5A (100 to 120V)
- Maximum 1.6A (220 to 240V)

Operating conditions
Temperature 15° to 30°;
Humidity 35% to 70% non condensing

Printing method
Dye sublimation / resin thermal retransfer

Resolution
- 600dpi - CX-D80HS
- 300dpi - CX-D80SRS (Single sided printing)
- 300dpi - CX-D80DS (Double sided printing)

Printable area
Full bleed (Real edge-to-edge)

Print speed
About 30 sec: YMCK with transfer

Interface
- USB (Ver2.0) Full-Speed (12Mbps) / Hi-Speed (480Mbps)
- 10BASE-T/100BASE-TX ethernet

Card
Size: CR-80 ISO 7810 (54.0 mm x 85.6 mm)
Type: PVC, Composite PVC, PET-G, Polycarbonate (Note: firmware installation is required)

Input & output capacity
100 cards each (0.76 mm)

Supported platform
Windows 2000 Professional (SP4), XP (SP3), Vista (SP2), Windows 7 (SP1), Windows 8/8.1, Windows 10, Windows Server 2003 (R2 SP2), Server 2008, Server 2012

Ink ribbon
- YMCK (1,000 images), YMCKK (750 images)
- YMCKUV (750 images), YMCKPO (750 images)

Traceable functions
In the new models of printers and ribbons traceable functions are added to improve maintenance quality. Following these changes, it may not work properly if the distribution route of the printers and the ribbons are different.

Options
- Magnetic stripe encoding (HiCo/LoCo)
- Contact chip encoding (case & reader/writer)
- Contactless encoding
- Bend remedy unit
- Lamination unit (CL-600S/D)

Safety regulations
FCC, CE, UL, VCCI-B, FCC Class B, EN Class B, RoHS, CCC

DNP CL-600 LAMINATOR

• **CL-600S** (single sided laminator)
• **CL-600D** (double sided laminator)

The CL-600 Laminator provides you definite durability and security on a card printed by a DNP CX-D80 series. This is essential for any ID card everywhere, such as governmental applications, corporate & student IDs and even for various membership cards.

Easy to connect

Adopting infrared communication with the CX-D80, no cable is needed. Through the CX-D80 Status Monitor, all the settings are consolidated.

Picture: the CL-600 Laminator on the left, combined with the CX-D80 card printer on the right.

DNP's unique holographic products:

LED hologram

Covert image appears by exposing to LED point light. Easy authentication by LED on mobile phones.

Lippmann hologram

A very clear 3D effect can be observed when it is tilted vertically and horizontally.

Patch film and overlay film

The clear patch film and overlay film are available for this model. We can also provide your own custom hologram Patch and Overlay film for higher security laminate.

Specifications

Dimension
210 x 333 x 360 mm (w x d x h)

Weight
- CL-600S - single side, less than 6.5 kg
- CL-600D - dual side, less than 8.0 kg

Operating conditions
Temperature 15° to 30°;
Humidity 35% to 70% non condensing

Power supply
- Maximum 3A (100 to 120V)
- Maximum 1.5A (220 to 240V)

Laminating method
Thermal roller transfer

Laminating side
Single sided (CL-600S), double sided (CL-600D)

Laminating speed
16 - 36 sec per card: single and double sided

Connection
Infrared communication with CX-D80

Heat roller temperature
90 °C to 180 °C (adjustable on 5 °C basis)

Speed configuration
3 mm/sec - 12 mm/sec (adjustable on 0.5 mm/sec basis)

Laminating media
1.0/0.6 mil patch, 1.0/0.6 mil smart card patch, overlay foil (clear or holographic selectable for all the media)

Media line up
- DNP Generic Hologram Overlay 1,000 images/roll
- Clear 1.0 or 0.6 mil patch 600 images/roll
- Clear 1.0 or 0.6 mil patch with IC chip cut 600 images/roll
- Customized hologram patch
- LED hologram patch
- Lippmann hologram patch

Other features
- To guard your laminator and media, security lock (front door) and slot (back side) are equipped
- Patch-positioning adjustment is available

Safety regulations
FCC, CE, UL, VCCI-B, FCC Class B, EN Class B, RoHS, CCC

MEDIA

Ink ribbon & retransfer film for CX-D80 Series

DNP, known as the world famous dye sublimation ink ribbon manufacturer, has developped the ink ribbon for the DNP CX Series card printer. An unique and lateral card-conveyor system makes the ink ribbon's capacity largest in its class. In addition, RFID tag installed in the ribbon enables you to check the status such as ribbon type and remaining amount on Status Monitor at sight.

YMCK (1,000 images/set)
Regular-type ink ribbon. To be supplied with retransfer film anytime as a set.

YMCKK (750 images/roll)
Front: YMCK + Back: K.

YMCKPo (750 images/roll)
Peel off panel to be used to avoid film transfer on and around magnetic stripe area.

YMCKUv (750 images/roll)
Dye diffusion invisible UV printing for security purpose. MAC address is printed.

Retransfer film (1.000 images/roll)
Pet film to be used with any ink ribbon.

Patch & overlay for the CL-600S/D

1.0/0.6 mil Clear Patch (600 images/roll)
To protect image from abrasion, UV, etc.

1.0/0.6 mil Smart card Clear Patch (600 images/roll)
To protect image (for IC chip card).

DNP Generic Hologram Overlay (1.000 images/roll)
Heat transfer to decorate with the hologram.

Customized hologram Patch/Overlay
Custom fabricated film for higher security laminate.

Visit our website for more information:
www.dnp.co.jp/international/cardprinter

2020.04