

# QuickSpecs



## Nisca PR5310 Smart Card Printer

The PR5310 Printer offers brilliant images printed on CR80 and CR79 PVC cards with thicknesses ranging from 20 to 50 mils. Offering Nisca's high quality design capabilities, the PR5310 provides a very well priced full-featured printer with encoding and reading modules for the most popular smart card applications

The PR5300 Series was originally introduced in 2000, the series has proven its performance and reliability over the years in applications such as driving licenses, printing bureaus, access control badges, and standard corporate identification cards. The addition of the PR5310 to the family occurred in June 2004.

The PR5310 offers many add-on modules that include magstripe, IC chip, and RFID encoding, as well as in-line over-lamination with full 1.0mil patch and thinfilm / foil edge-to-edge materials.

The PR5310 currently provides support for:

- HID Corporation's Prox and *iCLASS*<sup>®</sup> smart card technology
- Philips Corporation's MIFARE<sup>®</sup> smart card technology
- Legic's<sup>®</sup> smart card technology
- Gemplus's contact chip smart card technology

All modules are integrated into the printer for seamless printing/reading/encoding functions. The Nisca printer offers a unique bi-directional communication feature that allows constant communication between the printer, the PC, and the encoding/reading module, providing foolproof encoding and data security. A software development kit is available from Team Nisca at no-charge to allow for easy integration of the necessary commands.

### Summary of Printer Features:

- Full color edge to edge printing
- 300dpi dye-sublimation printing technology
- Industry leading 24-bit continuous tone printing
- 103 cards per hour printing speed
- Dual sided printing
- Dual sided lamination with alternating patch options
- Micro SCSI II, Parallel, and USB output
- Full Windows compatibility

### Summary of Printer Accessories:

- Security over-laminate
- Encoding
  - Magstripe
  - IC Contact
  - RFID
- LaserCard



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## PR5310 Smart Card Printer Specifications:

### Specifications:

Printing system	300dpi, 24-bit continuous tone printing, 16.7million colors
Printing method	Thermal transfer dye-sublimation
Print media	PVC or polyester cards with polished PVC finish
Media size	CR-80: 3.375" x 2.125" / 85.6 x 54mm CR-79: 3.303" x 2.051" / 83.9mm x 52.1mm
Media thickness	.020" (20mil) to .050" (50mil) / .508mm to 1.72mm
Print area	Edge to edge
Input hopper	100 cards
Output hopper	100 cards
Image memory	8MB with parallel processing, four memory modes
System memory	2.25MB
Display	LCD 16 character 2-line display shows printer status and diagnostic prompts
Print ribbons options	
Print speed*	<u>PR5310</u>
YMCO Single side:	104cards/hr
YMCO/K Dual side:	72cards/hr
YMCKO/K Dual side:	66cards/hr
YMCK/K w/ Lam:	84cards/hr
YMCK w/ Lam:	72cards/hr
Encoding options	Offering integrated driver control for all encoding that includes: - ISO standard Magstrip w/ dual high- and low-coercivity std. - Contact IC Chip - MIFARE <sup>®</sup> , Legic <sup>®</sup> , HID Prox, HID <i>iCLASS</i>
Interface	SCSI II, Parallel, and USB
Dimensions	16.57" (h) x 10.66" (w) x 13.03" (d) / 421 x 271 x 331mm
Weight	26.6lbs. / 13kg
Operating temperature	65 to 80 F / 18 to 27 C
Power source	AC Power source AC100/240v 50/60Hz auto-switching
Agency listing	UL/CE/FCC
Drivers	Windows <sup>®</sup> compatible
Warranty	2-year return to depot service printer warranty, 1-year unlimited prints print head warranty
Options:	PR5302 Laminator

\* Print speed indicates approximate batch print speed and is measured from the time a card feeds into the printer to the time it ejects from the printer. Print speeds do not include encoding time or the time needed for the PC to process the image. Process time is depend on the size of the file, the CPU, the amount of PC memory, the interface (SCSI, USB, Parallel), and the amount of resources at the time of the print job.

\*\* RFID encoding capabilities differ depending on technology, please consult Team Nisca for more details.

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