

High-Volume Desktop Card Printer

By NBS Technologies



Total
Card Solutions

ImageMaster™ S-18



The fastest high-quality printer on the market today, the ImageMaster S-18 monochrome thermal printer allows you to personalize cards for customers, clients and employees, with outstanding speed and reliability

THE IMAGEMASTER™ S-18 OFFERS THESE KEY FEATURES AND BENEFITS:



COMPACT AND FLEXIBLE

- Delivers fast monochrome printing: up to 1800 single-sided
- Programmable card cleaning to help maintain quality
- Can operate as a stand-alone unit with keyboard



NETWORK AND ENCODING

- Supports Ethernet and serial connectivity
- Options for magnetic encoding & smart card personalization
- Contact, Contactless or both



EASY-TO-USE

- 200 card auto-feed input hopper & auto-unload stacker
- LCD screen displays printer status and diagnostics
- Easy to change ribbon and thermalprint head
- Carousel & clear card kit options available

CONSULTING

SOFTWARE

HARDWARE

SMART CARD MANUFACTURING

Printer Specifications

Single-sided	Fast, monochrome printing single-sided up to 1800 single-sided cards depending on card layout
Print mode	Thermal transfer (mono)
Card encoding options	SmartSys™ Tabletop Batch Issuance software control designed especially for NBS desktop card printers, Magnetic encoding: 3 track, Dual Coercivity, ISO 7811, Bit to Bit (binary), Smart Card ISO 7816 personalization, Thin card kit for 0.015" (0.38mm) and 0.020" (0.51 mm) cards, Contactless (RF) Mifare card
Printer interfaces	Keyboard for manual data entry, RS-232C Serial 9 Pin; Ethernet 10/100bT, TCP/IP printing using LPR/LPD or Raw socket
Software drivers	Supports online printing from a variety of host computers including PC running Microsoft Windows® 7, XP and AS-400 Supports both internally generated layouts using ASCII text fields from host computer, or full Microsoft Windows® compatibility with Windows 7, Windows XP and Windows 2000 drivers. Supported by NBS SmartSys™ Tabletop Batch Issuance software, a user-friendly, Windows card design and production application, ideal for batch issuance.
Fonts/Images	300 dots per inch (11.8 dots per mm) resolution. Full range of monochrome color ribbons (full and half widths) available. Shipped with Swiss Regular: 6, 8, 10, 14, 18, 24 pt, Swiss Italics: 6, 8, 10, 14 pt, OCRA: 10, 12 pt, Dutch Bold: 6, 8, 10, 18, 24 pt, Any True-Type font can be downloaded from Microsoft Windows to support customized fonts PC Dash Board software for use in downloading additional fonts and images also used for flash loading of firmware for easy updates. It also can be used to back the machine settings.
Barcodes	EAN 13 & 8, UPC-A, Code 39, Codabar, Code 128, Code 12 of 5
Card capacity	200 - auto-card feeder input hopper, 200 - auto-unload stacker, 25 - reject tray, Two production counters, one re-settable
Weight	52 lbs (23.6kg)
Power source	110-230 Volts, 50-60 Hz
Dimensions	14" (356mm) D x 19" (482mm) W x 12" (305mm)
Environment	Operating temperature: 15°C to 30°C, Relative humidity: 20% to 65% non-condensing, Storage temperature: -5°C to 70°C, Storage humidity: 20% to 70% non-condensing, Ventilation: Free air
Monochrome Print speed	Single-sided: Up to 1800 cards per hour Automatic card cleaning mechanism with user configurable cleaning

Card Specifications

Types	PVC & composite PVC - including breakaway and key cards
Maximum print area	0.100" +/- 0.010" from side edges of card
Card width/length	ISO 7810 (CR-80) 2.125" (54 mm) x 3.375" (86 mm)
Card thickness	0.024" (0.61 mm) to 0.030" (0.76mm) , (Optional)Thin card kit for 0.015" (0.38mm) and 0.020" (0.51 mm) cards

