



Advantage M20

Desktop Card Embosser

The desktop embosser and encoder designed for the secure and reliable instant personalization and issuance of credit and debit cards



Bell and Howell has teamed with NBS Technologies to offer the Advantage M20 desktop card embosser. The Advantage M20 is the latest in the NBS Advantage embosser family of products. Secure, reliable and affordable, the Advantage M20 has been designed specifically for the instant personalization and issuance of EMV compliant debit and/or credit cards.

The Advantage M20 possesses a stainless steel 120-character daisy wheel for embossing, together with simultaneous front and rear indenting. A full range of international characters is available which makes this a truly universal embosser.

The Advantage M20 is provided with either a standard Windows driver for seamless integration with existing card personalization and issuing applications, or with a specific software library to allow its many features to be included in custom applications and solutions. We can also supply Xpressi, NBS's distributed issuance solution designed especially for financial institutions wanting to issue cards at branch level.

EMV INSTANT ISSUANCE SOFTWARE SOLUTION

Couple your Advantage M20 embosser with Xpressi software for an EMV branch card issuance solution that is cost effective and easy to implement. Supporting multiple EMV configurations, chip types and even printer brands with one system, this solution gives an issuer the flexibility to keep their future expansion and operation options open for change.

KEY FEATURES & BENEFITS

Desktop Flexibility

- » 120 character embossing wheel
- » Dual (front & rear) indent available
- » Anchors for bolting down the embosser to its operating station

Network and Encoding

- » High/low coercivity magnetic stripe encoding
- » Contact and contactless smart card personalization
- » Triple DES encryption
- » Contact, contactless or both

Easy-to-Use

- » 100-card hopper for automatic card feeding
- » Single card front input feeder
- » Access cover secured with electronic lock under software control

SPECIFICATIONS	
Embosser Specifications	
Embossing method	<ul style="list-style-type: none"> > 120 characters stainless steel daisy wheel embosser, easy installation of new types > Rear indenting, easy cartridge replacement > Tipping > Front indent (optional)
Card encoding options	<ul style="list-style-type: none"> > Magnetic stripe encoder, high/low coercivity > ISO 7816 smart card personalization [EMV compliant] (optional) > ISO 14443 contactless card personalization (optional) > Triple DES encryption
Embossing speed	1 card in 30 seconds (excluding chip personalization)
Embosser interfaces	<ul style="list-style-type: none"> > Operator panel: 2x24 LCD display, 12 keys numeric keypad, 5 status LEDs > Communication: RS232, Ethernet, USB 2.0
Software drivers	DLL for Windows 2000/XP/Vista/W7 drivers available
Embossing characteristics	<ul style="list-style-type: none"> > OCR 7B, Standard Gothic > Rear Indent: OCR B1 > Front Indent: OCR B4, OCR B1 <p><i>A full range of other emboss/indent characters and fonts is available</i></p>
Card capacity	<ul style="list-style-type: none"> > 100 cards input hopper, automatic feeding > 50 finished cards output hopper, hopper full sensor > 30 cards reject bin, bin full sensor > Single card front input feeder
Embossing usage	Maximum recommended usage: 100 cards per day (or 25,000 cards per year)
Weight	86 lbs (39 kg)
Power source	<ul style="list-style-type: none"> > 110-230 Volts, 50-60 Hz, 200W > CE, CSA C & US, FCC Class A > EN 60950
Dimensions	26.4" (670mm) D x 17.9" (455mm) W x 11.6" (295mm) H
Environment	<ul style="list-style-type: none"> > Operating temperature: 10 - 40 °C / 50 - 104 °F, Relative humidity: 20% to 80% non-condensing > Storage temperature: 0 - 55 °C / 32 - 131 °F, Storage humidity: 5 - 95% non-condensing > Transport: -15 - 55 °C / 5 - 131 °F, 5 - 95% RH (up to 20 hours)
Security	Mechanical and electronic software controlled locks
Card Specifications	
Types	CR80 – PVC – 0.76mm, 30 mil / ISO/IEC 7811, ISO/IEC7816



> For more information, visit: bellhowell.net

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