



All-in-one payment solution

RDM Corporation, leading innovators of electronic check conversion solutions, introduces Synergy a versatile, feature-rich, all-in-one POS payment solution. Utilizing RDM's industry leading 'single pass' MICR method and imaging technology Synergy is ideal for Electronic Check Conversion (ECC). With an integrated keypad, magstripe reader, and optional thermal printer Synergy is the only terminal you will need for all non-cash payment methods.

Unsurpassed MICR read accuracy, crisp clear images, bi-directional document drive, keypad and magstripe reader are standard features on Synergy. In addition to its robust standard features, Synergy also offers a wide variety of optional features such as franking acknowledgment, OCR MICR assist, and a thermal printer making it one of

the most versatile products in the industry.

When the automated franking acknowledgment option is selected Synergy will print a fixed text message on the front face of the check. The franking acknowledgment printer facilitates the requirement for check defacement in one simple process increasing efficiency which is vital in the POP environment.

Under application control the bi-directional document drive in Synergy provides visual confirmation of the approval disposition of the check. If the transaction is denied the check will be returned to the user "face up" from the entry slot vs. "face down" from the exit slot.

In addition to our industry leading 'single pass' MICR Method, Synergy

can be equipped with OCR MICR assist for maximum recognition, performance and accuracy. OCR MICR assist optically reads the MICR line improving Synergy's read rate to virtually 100%.

Synergy is a powerful payment tool that combines the features and functionality of RDM's industry leading peripheral devices in an innovative stand-alone ECC solution. Synergy has also streamlined the acceptance process for all non-cash payment methods in the POS environment with its multiple application support. Synergy supports a number of different application configurations. Whether your requirements include credit, debit, check or loyalty card Synergy is able to accommodate your specific application needs.

FEATURES

- Stand-alone check processing device
- Multiple application support - credit, debit, check and loyalty card, Synergy can support any application requirement
- A powerful internal processor provides a robust POP/ARC client solution
- Modular design for increased flexibility
- Industry leading 'single pass' MICR Method
- All card and check payment methods are accepted in one feature-rich compact unit.





<u>Specifications</u>	
Microprocessor	300 MHz DSP and 50 MHz PowerPC with integrated memory management unit and communications
Graphic LCD Display	128 x 64 backlit graphic LCD display with up to 8 lines of text, 21 characters per line
Magnetic Stripe Reader	Three tracks, bi-directional
Keypad	20 key alphanumeric keypad 4 software-configurable, display associated, soft keys
Memory	Flash memory for storing images, user data and client applications 1MB of flash memory standard 2MB or 4MB flash memory optional
Image	CCITT Group 4 compression (ITU T.6) of bi-level image TIFF 6.0 file format MICR line with transaction information included in header description tags of check image OCR line with transaction information included in header description tags of bill stub Image size varies according to document, typically 10kb or less High quality 200 dpi nominal
Documents	Minimum: 1.75" x 4.4" Maximum: 4" x 9" Paper weight: 8lb to 100lb
Ports	RJ11 (33,600bps) with internal modem option 2 - Powered RS232 (RJ-45)
MICR Font	E13B MICR character set
MICR Assist	Optical read of MICR line
Bi-Directional drive	Visual confirmation of approval disposition of checks
Software	Linux based operating system for creation of client applications
Dimensions	8.75" long x 6.1" wide x 4.5" high
Power	24V DC, Amperage 1A
<u>Options</u>	
Thermal printer	24 characters per line, graphics capable, multi-font
Check Franking Device	Under application control a fixed text message is stamped on the face of the check
OCR Font	Alphanumeric OCR A and B recognition
Modem	55.6Kbps, v.92 protocol internal modem with data compression, error correction, line in use and line intrusion detection

*Specifications are subject to change without notice



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