RDM | SYNERGY™

STAND-ALONE.
MODULAR.
ROBUST.
POWERFUL.

Product Overview

RDM SYNERGY is a versatile, feature-rich, all-in-one POS payment solution. RDM utilizes an industry leading and patented 'single pass' Progressive MICR Method and imaging technology. RDM SYNERGY is ideal for Electronic Check Conversion (ECC) and Check 21 transactions, as well as credit, debit, EBT and loyalty cards. With an integrated keypad, magstripe reader, and optional thermal printer, it is the only terminal you will need for all non-cash payments.

Unsurpassed MICR, OCR A and B read accuracy, crisp clear images, bidirectional document drive, keypad and magstripe reader are standard features on RDM SYNERGY. In addition to its robust standard features, a wide variety of optional features such as franking acknowledgment, OCR MICR Assist, and a thermal printer make it one of the most versatile products in the industry.

When the automated franking acknowledgment option is selected, RDM 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 bidirectional document drive 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' Progressive MICR Method, RDM SYNERGY can be equipped with OCR MICR Assist for maximum recognition, performance and accuracy. OCR MICR Assist provides an additional optical read of the MICR line improving its read rate to virtually 100%.

RDM SYNERGY is a powerful payment tool that combines the features and functionality of RDM's industry leading peripheral devices in an innovative stand-alone card and Check Electronification solution. The software architecture of RDM SYNERGY provides multiple application support. Whether your requirements include credit, debit, check, EBT, or loyalty card, RDM SYNERGY is well equipped to accommodate your specific application needs.

Key Features

▶▶ Linux-based operating system for easy application development

▶▶ Multiple application support with true firewall capabilities (credit, debit, EBT, loyalty cards)

▶▶ Multiple Merchant Support

▶▶ Powerful POP/ARC/Check 21 processing compatibility

▶▶ Industry leading MICR read rate utilizing RDM's proprietary single pass, Progressive MICR Method

▶▶ Accepts all non-cash payments in one feature-rich compact unit

Product Specifications

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, bidirectional

Keypad
20 key alphanumeric keypad
4 software configurable, display associated, soft keys

Memory
Multiple flash memory options for storing images, user data and client applications

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

Serial Port
RJ11 (33,600bps) with internal modem option
One (1) RS232 (MINIDIN 9)
One (1) powered RS232 (MINIDIN 8)

MICR Font
E13B MICR character set

MICR Assist
Optical read of MICR line

Bidirectional check drive
Visual confirmation of approval disposition of checks

Physical
Dimension: 8.75" L x 5.9" W x 5.3" H

Power
Input   100-240V~50-60Hz 1.5A
Output   V1: 8.5V DC 3A
                    V2: 24V DC 0.5A

Options

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
33.6Kb internal modem with data compression, error correction, line in use and line intrusion detection