



RDM's All in One Payment Terminal | RDM SYNERGY II

**POWERFUL.
ALL-IN-ONE SOLUTION.
SINGLE OR DUAL IMAGING.
ETHERNET/MODEM.**



PCI PA-DSS Validated

Product Overview

RDM SYNERGY II is a powerful, All-in-One, feature-rich, electronic payment solution.

With over 20 years of industry experience, RDM SYNERGY II utilizes RDM's best of breed technology advancements delivering the perfect solution for Electronic Check Conversion (ECC) and Remote Deposit Capture (RDC) Check 21 transactions, as well as credit, debit, EBT and loyalty/gift cards.

With true firewall capabilities, the software architecture of RDM SYNERGY II provides multiple application/ merchant support for all industry types including; retail, retail with tip, MOTO, hospitality, hospitality with tip. In addition to RDM's industry leading 'single pass' Progressive MICR Method, RDM SYNERGY II is equipped with IQA (Image Quality Analysis) and can be enabled to perform OCR MICR Assist for maximum recognition, performance and accuracy.

With Ethernet/Modem communication, configurable double or single sided imaging, integrated keypad, magstripe reader, thermal printer and franker, the RDM SYNERGY II is the only terminal you will need for all your non-cash payments. When

the automated franking acknowledgment option is selected, RDM SYNERGY II 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 any payment 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.

RDM SYNERGY II's compact design minimizes the use of valuable counter space. With no dependency on a PC for application management, RDM SYNERGY II's simple, straightforward user interface provides a complete payment solution that is quick and easy to use.

Key Features

- ▶ Accepts all form of non-cash payments in one feature-rich compact unit
- ▶ Linux-based operating system for easy application development
- ▶ Ethernet/Modem communication
- ▶ Configurable single or dual-sided imaging
- ▶ Multiple application/merchant support with true firewall capabilities (credit, debit, EBT, loyalty & Gift cards)
- ▶ Powerful Point of Sale, Back Office, Check 21 processing compatibility for Electronic Check Conversion (ECC) and Remote Deposit Capture (RDC)
- ▶ Industry leading single pass progressive MICR method
- ▶ Class A & B certified with major processors and check databases



Product Specifications

Microprocessor

Renesas (Hitachi) SH-3 32-bit RISC 133 Mhz

Physical (with receipt printer)

Dimension: 11.8" L x 5.9" W x 5.3" H

Weight: 6 lbs with power supply

Power

Input 100-240V 50-60Hz 1.5A

Output V1: 8.5V DC 3A / V2: 24V DC 0.5A

Graphic LCD Display

128 x 64 backlit graphic configurable LCD display

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

Flash memory for storing images, user data and client applications

Image

- CCITT Group 4 compression (ITU T.6) of bi-level image. On board IQA (Image Quality Analysis).
- 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

Document Size

Minimum: 2.17" W x 4.4" L

Maximum: 4" W x 9" L

Fonts

E13B MICR character set

Bidirectional check drive

Visual confirmation of approval disposition of checks

Graphics/Multi Language Capable Thermal printer

24 characters per line, graphics capable, multi-font, multi language

Check Franking Device

Under application control a fixed text message is stamped on the face of the check

Communication Ports

Power: 4 Pin (24VDC and 8.5VDC)

USB: (Not Functional)

AUX: Mini-DIN 8-pin (RS232)

COM: Mini-DIN 9-pin (RS232)

TEL: RJ11 (33,600bps Modem)

Ethernet: RJ45 (10/BaseT Ethernet)

Internet Bandwidth

An Internet connection upload speed of at least 500 kbps is recommended.

Dual Comm: IP Modem Backup