SII Seiko Instruments GmbH

SEIKO GROUP

POS PRINTER RP-E10 SERIES

POS Receipt Printer

- 350mm/s max print speed
- 58mm + 80mm (2“ + 3“) paper width
- Top and Front paper exit model
- Compact design
- Several paper saving options
- High reliability
- Various drivers and wide variety of utility software

FEATURES RP-E10 SERIES

COMPACT

With a stylish 129 mm-cube design, RP-E series printers offer one of the smallest footprints available, to free up valuable space at the point-of-sale.

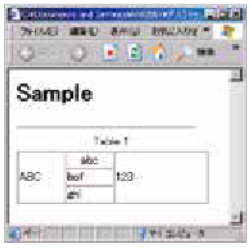
COMMAND SET

ESC/POS

Industry standard ESC/POS commands are supported to facilitate programming.

Markup language

Mark-up language is also supported, with web based “print preview” functionality, for a more intuitive receipt configuration process.



Print preview in web browser

Source code

Print by RP-D10

FLEXIBLE

Dual top and front-access configuration options give you more installation flexibility, including the ability to slide a printer under the counter. And, an optional wall-mount kit combined with IPx1 certification for dripping water protection make front-exit setting highly suitable for kitchen printing applications.

Example of installation

The RP-E10 perfectly fits all-in-one POS terminal

Under the counter

Dropping water protection (IEC IPX1 level) with front-access setting

Wall-mount kit (option)

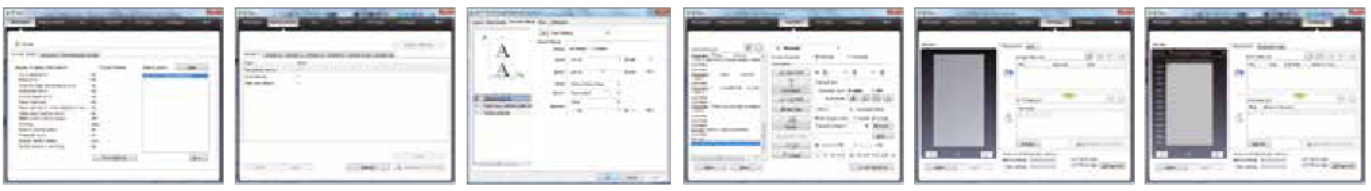
On the wall

CUTTER

The anti-jamming cutter design ensures greater safety and easier maintenance by automatically returning the cutter to the “home” position when the paper cover is opened.

RP-E10 SOFTWARE TOOLS

Convenient software tools available for assisting application development.



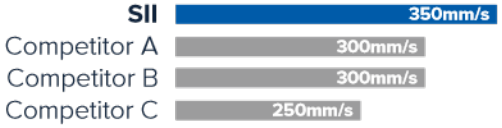
Utility soft (Build on the Windows® driver) Memory SW setting, LOG management, USB serial ID setting, NV image registration, Code page registration

FEATURES RP-E10 SERIES

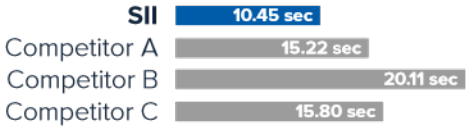
HIGH SPEED

At 350 mm/second, RP-E series printers give you unmatched performance, as measured by print speed and overall throughput time.

Print speed comparison



Throughput speed comparison



*Test conditions:
- USB interface
- 80mm paper setting
- 10 printouts
- Using displayed receipt, created in Windows Paint.

HIGH PRINTING QUALITY

The ratio of printing quality to printing speed is available in four modes.

Mode 1. High speed mode
Print up to 350mm/s

Mode 2. Mid speed (quieter) mode
Print up to 280mm/s

Mode 3. Variable speed mode

Printing speed automatically adjusts to optimize for each specific output. With this setting, text is automatically generated at high speed, while graphics, such as a logos or bar codes, are produced at a lower speed to emphasize higher printing quality.

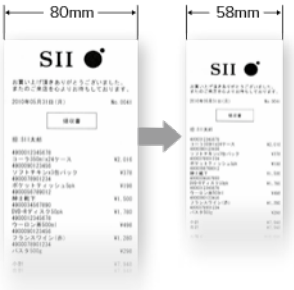
*This setting is available when operating in “standard” mode only (not in page mode)

Mode 4. Low speed mode
Emphasizes high quality printing for graphics output.

MINIMIZE PAPER USAGE

Top space reduced to 3mm
The blank space at the top of receipts can be reduced to 3 mm by sending the “backward feed” command.

Printing size reduced
Paper consumption can also be easily reduced using the Windows driver by converting from 80 mm to 58 mm paper width. As an alternative, the size of the original image can also be reduced by 75%, to further reduce paper consumption.



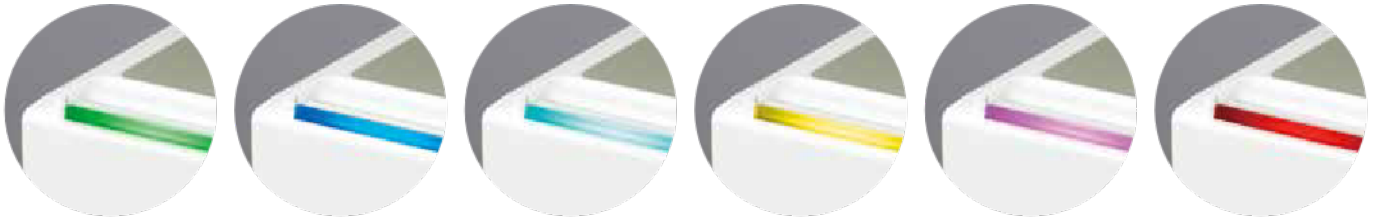
LED off during standby
The power consumption can be reduced by turning off the LED light during standby.

Ultra thin paper
Using ultra-thin SII-qualified paper (53 µm) automatically helps save natural resources.

RP-E10 DISPLAY

Stand-by mode
Selectable color options include green, blue, aqua, and off (for lower power consumption).

Error status
Error notifications are displayed in yellow, purple, and red, using various flashing patterns. An optional buzzer sound is also available with variable settings to enhance error notifications.



SPECIFICATIONS

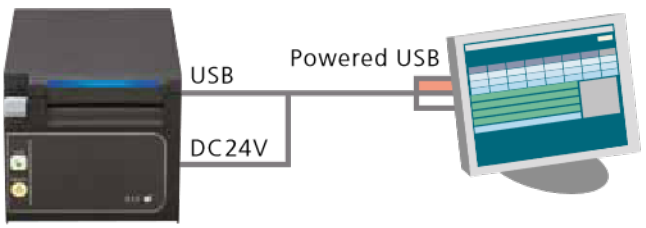
RP-E10

Model		RP-E10
Printing	Method	Thermal line dot printing
	Number of dots/line	576
	Resolution (dots/mm)	203 (8 dots / mm)
	Paper width (mm)	58^{+0}_{-1} / 80^{+0}_{-1}
	Printing width (mm)	54 / 72
	Speed (mm/sec) max	350
	Outside diameter of paper roll (mm) max	ø 83
	Inside diameter of paper roll (mm)	ø 12
	Character matrix (H×W dots)	24 × 12, 24 × 24, 16 × 8, 16 × 16
	Character dimensions (H×W mm)	3.0 × 1.5, 3.0 × 3.0, 2.0 × 1.0, 2.0 × 2.0
Type of Paper		Roll paper, Timing mark roll paper
Character type		Code page: 14pages, Optional font, Downloaded character, User-defined character, JIS 1&2 level kanji, Special character
Bar code		UPC-A/E, JAN (EAN) 8/13, ITF, CODE39, CODABAR, CODE93, CODE128, PDF417, QR Code
Power supply (V)		Specified AC adapter, External power (DC24V +/- 5%)
Communication interface		Serial, USB, Ethernet
Input buffer		16k bytes
Command		ESC/POS™ conformity, Markup Language
Cutting	Methods	Slide type
	Cutting type	Full cut, Partial cut (Leave center point)
Operating temperature (°C)		5 to 45
Service life (km)	Abrasion resistance (km)	150*1
	Paper cutting (cut)	2,000,000*2
Dimensions (W×D×H mm)		129.0 × 129.0 × 129.0*3
Mass (g)		Approx. 1300
Standard		FCC, CE, VCCI, RCM
Option		Wall mounting kit, Back plate
Cash drawer		2 drivers (24V / 1A)
Body color		2 colors: White / Black
Software/Printer driver		Printer driver for Windows, Java POS, OPOS, POS for .Net, Linux (CUPS/SDK), Android (SDK), iOS (SDK)

*1 Use recommended thermal papers. *2 Vary according to thermal paper. *3 Excluding protrusion.

Powered USB

Power is supplied by the host to the printer via a Powered USB cable (and standard USB interface). Here high speed printing is maintained with the SII's dynamic division drive control.



SII

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