RP-D10 SERIES

Supported software

	Windows*									Linux		Android™
	Printer Driver				OPOS Driver		POS for .Net Driver			CUPS	SDK	SDK
	7 / 8		Vista	Xp	7	Xp	7		Xp	*		3.1 or later
	64bit	32bit	32bit	32bit	32bit	32bit	64bit	32bit	32bit	32bit	32bit	-
USB	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Serial	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	-
Ethernet	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	-

*Redhat Ent. 6.2, Open SUSE 11.4, Ubuntu 10.10

Specification

Model		RP-D10
Printing	Method	Thermal line dot printing
	Resolution (dpi)	203 (8dots/mm)
	Paper width (mm)	80^{+0}_{-1} / 58^{+0}_{-1}
	Printing width (mm)	72 / 54
	Speed (mm/sec)max	200
	Outside diameter of paper roll (mm)max	f83
	Inside diameter of paper roll (mm)	f12
	Character matrix (H x W dots)	24 x 12, 24 x 24, 16 x 8, 16 x 16
	Character size (H x W mm)	3.0 x 1.5, 3.0 x 3.0, 2.0 x 1.0, 2.0 x 2.0
Type of paper		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, CODABAR, Code39, Code93, Code128, QR Code, PDF417
Power supply (V)		Specified AC adapter, External power (DC24V±5%)
Communication interface		USB, Serial, USB+Serial, Powered USB, Ethernet
Input buffer		4k 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	Abrasion resistance (km)	100*1
	Life (cut)	1,500,000*2
Dimensions (W × D × H mm)		129.0 x 129.0 x 129.0*3
Mass (g)		Approx.850
Standard		FCC, CE, VCCI, RCM
Option		Wall mounting kit
Cash drawer		2 drivers (24V / 1A)
Body color		2 colors : White / Black
Driver		Printer driver(XP/Vista/7(32bit/64bit)/8(32bit/64bit)), OPOS(XP/POSReady2009/7/POSReady7), POS for .Net (XP/POSReady2009/7(32bit/64bit)/POSReady7(32bit/64bit), Windows*(SDK), Linux(CUPS/SDK), Android™(SDK)*4

*1 Use recommended thermal papers. *2 Vary according to thermal paper *3 Excluding protrusion *4 USB only

Interface and accessories

Interface	Model (White)	Model (Black)
USB	RP-D10-W27J1-U	RP-D10-K27J1-U
Serial	RP-D10-W27J1-S	RP-D10-K27J1-S
USB+Serial	RP-D10-W27J1-1	RP-D10-K27J1-1
LAN	RP-D10-W27J1-E	RP-D10-K27J1-E

Accessories	Part number	Remark
AC adapter	PW-E2427-W1	
AC Code	CB-CE03-20A	Approx. 2.0m
USB cable	IFC-U02-1	Approx. 1.8m
Serial cable	IFC-S02-1	Approx.1.8m
Powered USB cable	IFC-V01-1	Approx. 1.8m
Wall-mount kit	WLK-B01-1	

Specifications are subject to change without notice.

SII

Compact Cube POS printer
RP-D10 SERIES

Compact, Precise and Stylish

Energy Star Qualified, Paper Saving, Efficient.

Next Generation POS Printer

200mm/s

129x129x129mm

The compact-cube POS Printer with a Top- and Front-Exit option.

Seiko Instruments GmbH

Compact Cube POS printer

RP-D10 SERIES

Four in One

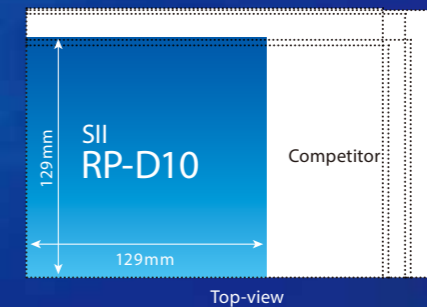Dual Top-Exit and Front-Exit options are available in one model

*Dropping water protection (IEC60529 IPX1 level) with front-exit setting.

front-access   Top-access

Dual paper width 2"(58mm) and 3"(80mm)

With the provided paper guide, 2"paper can be used in addition to standard 3" paper.

COMPACT

SII RP-D10   Competitor

129mm

129mm

Top-view

Compact AC adapter

SII: 53×115×38mm
Competitor: 68×136×32mm

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

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-D10 perfectly fits all-in-one POS terminal.

Under the counter

Dropping water protection (IEC IPX1 level) with front-access setting.
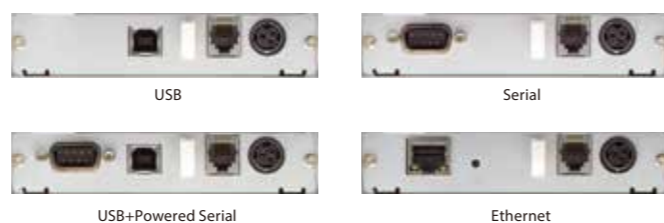
Wall-mount kit (option)

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.
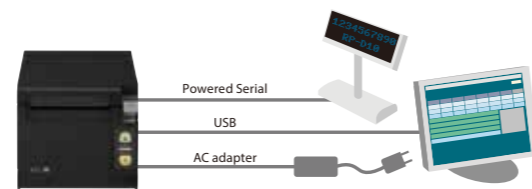

INTERFACE

USB, Serial, and Ethernet interfaces are available, along with the industry's first USB + Powered Serial configuration.

USB   Serial
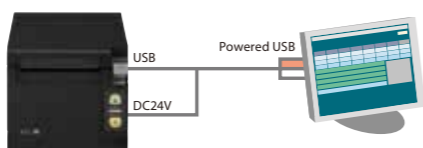
USB+Powered Serial   Ethernet

USB + Powered Serial

With this combination, the Serial interface is used to power a peripheral device such as a pole display or scanner, supplying a 5V or 12V current.

Powered Serial
USB
AC adapter

Powered USB Cable

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.

USB
DC24V
Powered USB

Printing Modes

The RP-D gives you the option to chose from 4 different speed modes.

Mode 1. High speed mode:
Print up to 200mm/s

Mode 2. Mid speed (quieter) mode:
Print up to 180mm/s

Mode3. 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.
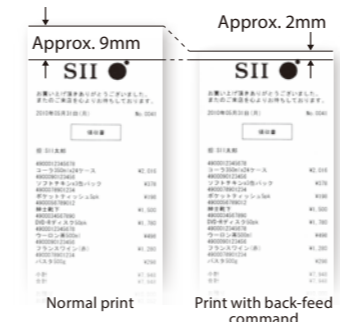
* This setting is available when operating in "standard" mode only (not in page mode).

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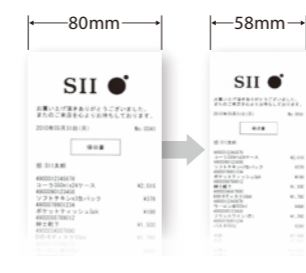Emphasizes high quality printing for graphics output.

High quality
High speed
High quality

Top space reduced to 2mm

The blank space at the top of receipts can be reduced to 2 mm by sending the "backward feed" command.

Approx. 9mm   Approx. 2mm

Normal print   Print with back-feed command

Printing size reduced

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

80mm   58mm

Energy saving

The RP-D10 is INTERNATIONAL ENERGY STAR qualified and is the most energy efficient in its class.
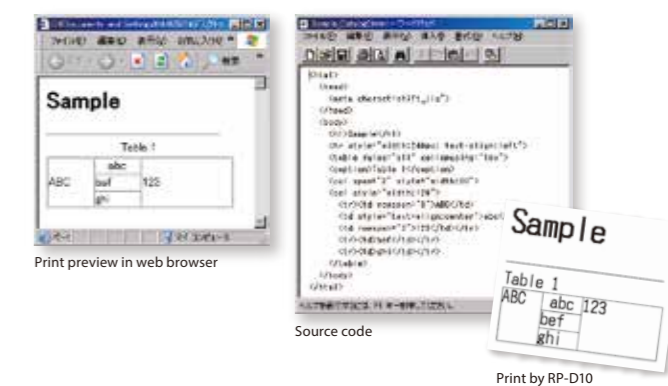

COMMAND SET

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.

Sample

Print preview in web browser

Source code

Sample

Print by RP-D10

SOFTWARE

Utility tools

- Printer status management
- Memory switch settings
- Log management
- Test print
- NV image registration
- Codepage registration
- Driver settings and others

SDK

Windows
- Win32 API (Inc. Devmode API)
- .NET API (Inc. Devmode API)

Linux
- CUPS Filter
- Communication Library

Android
- Printer Class Library