

Supported software

	Windows*									Linux		Android™
	Printer Driver			OPOS Driver			POS for .Net Driver			CUPS	SDK	SDK
	7 / 8	Vista	Xp	7	Xp	7	Xp	7	Xp	*	32bit	3.1 or later
USB	64bit ✓	32bit ✓	32bit ✓	32bit ✓	32bit ✓	32bit ✓	64bit ✓	32bit ✓	32bit ✓	32bit ✓	32bit ✓	-
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 <sup>1)</sup> / 58 <sup>1)</sup>
	Printing width (mm)	72 / 54
	Speed (mm/sec)max	200
	Outside diameter of paper roll (mm)max	φ83
	Inside diameter of paper roll (mm)	φ12
	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 x D x 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	

SAFETY PRECAUTIONS

1. This catalog provides a summary of product specifications. Before using each product, please thoroughly read the technical manual, user's manual, and other manuals which have been prepared by us.
2. The products listed in this catalog are not allowed to be used as part of any life-support system or any other equipment or system which requires extremely high reliability, without our permission in writing.
3. When using each product, thoroughly understand the specifications of the product, observe the descriptions and markings for prevention and avoidance of danger, on your products and in the documents such as the manual, and advise and guide your customers (users).

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- ▲ Windows' is the registered trademark of Microsoft Corporation (USA).
- ▲ Android™ is a trademark of Google Inc.
- ▲ Linux is a registered trademark of Linus Torvalds in the United States and / or other countries.
- ▲ Company and product names are trademarks or registered trademarks of their respective companies.
- ▲ We have completed making all of our printers compliant with the RoHS directive.

Specifications are subject to change without notice.



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v201311

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

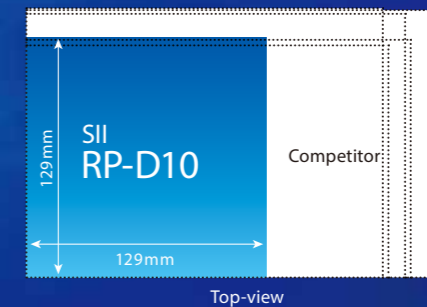
\*Dropping water protection (IEC60529 IPX1 level) with front-exit setting.



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: 53x115x38mm  
Competitor: 68x136x32mm

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.



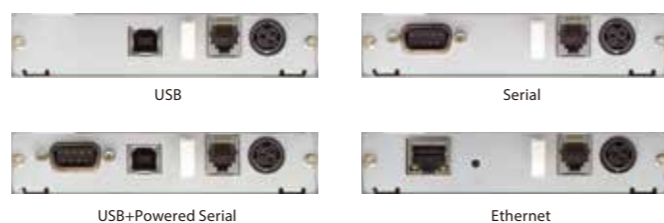
Wall-mount kit (option)

## 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.

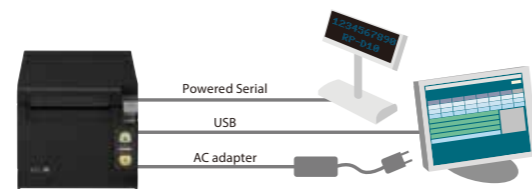
## INTERFACE

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



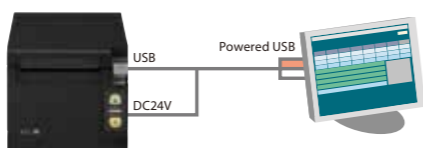
### USB + Powered Serial

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 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.



## Printing Modes

The RP-D gives you the option to choose 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.



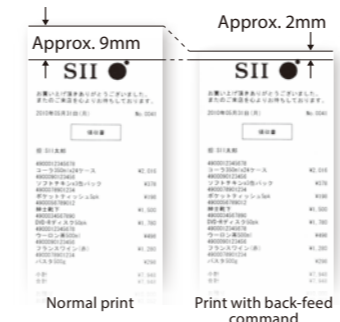
High quality

High speed

High quality

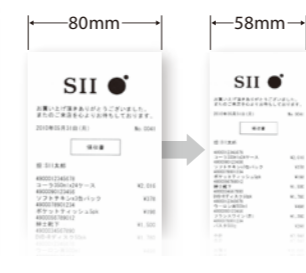
### Top space reduced to 2mm

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



### 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.



### Energy saving

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

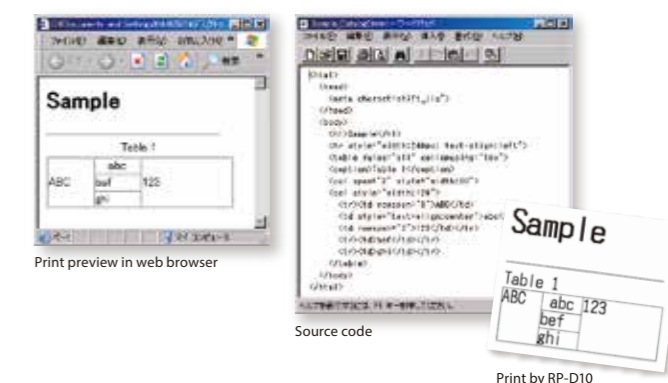
## COMMAND SET

### 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.



Print preview in web browser

Source code

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