SII

SEIKO
SEIKO HOLDINGS GROUP

Thermal Printer

Product Catalog 2021

RP-F10

CAP06
Series

MP-B30

POS

Mobile

Mechanism

Low Voltage

24 Volt

POS Printer

Mobile Printer

Panel-Mount Printer Unit

Other Models Line up

Seiko Instruments Inc.

Why direct thermal?

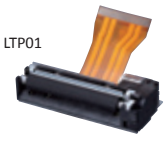
Direct thermal printers are widely used in everyday life, including medical devices, self-service technology, point-of-sale, mobile applications, and more.

EFT-POS

EFT-POS

EFT-POS (Electronic Funds Transfer at Point of Sale) is expanding market with rise in demand!

SII offers best solution of thermal printing to EFT-POS market since its dawn. SII Thermal Printer has contributed to spread thermal printing technology in EFT-POS market and became our bestseller mechanism.



LTP01

LTP02

2 inch

Low Voltage

Small-footprint

POS/ECR

POS/ECR

Using thermal printer in ECR (Electronic Cash Register) has been started in European market and Now spread throughout the world!

In recent years, thermal printer is widely used for ECR market expected higher cost-effective, and for POS market expected sophisticated-features & heavy-duty.

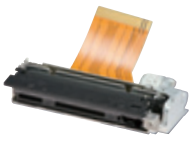
RP-E10

2 to 3 inch

High speed printing

Small-footprint

CAPD Series



LTPD Series

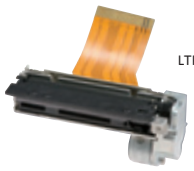
Medical Measuring

Measuring Instrument

Medical Equipment

Best for data and chart printing, what is more easy maintenance and quiet!

SII Thermal Printer is quiet, cleanness and easy maintenance which has been adapted for the medical and the measurement equipment for long time.



LTPD245

DPU-D2

2 to 4 inch

Quiet

Chart printing

2021

Thermal Printer Product Catalog

Direct thermal technology produces an image by applying a heating element to specially treated thermal paper.
Unlike other printing formats, it operates with few moving parts and does not consume toner or ribbons.
This translates into reliable long-life performance and reduced maintenance costs.

With precision engineering Seiko Instruments continues to build on direct thermal's advantages.
We offer a complete line of reliable high performance printers with flexible, small footprint designs that help streamline the integration process. Rely on dependable Seiko Instruments printers and components to tackle even the toughest thermal printing requirements.

CONTENTS

CD/ATM Kiosk Lottery

KIOSK System

Reliable SII's thermal printers are the best matches with the KIOSK terminals printing receipt and ticket and so on!

SII's wide-variety of product line helps any printing demands on self-service terminal / ATM / ticketing applications.

CAPM347

LTP04
(With auto cutter)

2 to 3 inch
High reliability
Auto cutter

Mobile

Mobile Printer

Demand of Mobile printing is expanding in various applications!

Mobile printing has became a critical tool in industrial, logistics and retail market.
With utilizing smartphone or tablet PC, it will be widely expanding its business field moreover.

MP-A40

MP-B20

2 to 4 inch
Compact & light-weight
Wireless

Product Classification Table

Line Thermal Printer Mechanism

Classification	Product	Paper width (mm)	Resolution (dots/mm)	Product category
Low voltage	CAPD245	58	8	Easy paper operation mechanism
	CAPD345	80	8	
	LTPD245	58	8	
	LTPD345	80	8	
	LTP01	58	8	
	LTP02	58	8	
24 volt	LTP04	80	8	Easy paper operation mechanism
	CAP06-247	58	8	
	CAP06-347	58 / 80	8	
	CAPD247	58	8	
	CAPD347	80	8	
	LTPD247	58	8	
	LTPD347	80	8	
	CAPM347	58 / 60 / 80 / 83	8	
	CAPM347	58 / 60 / 80 / 83	8	Loading mechanism
	CAP9247	58 / 60	8	
	CAP9347	80 / 82.55	8	

Printer Unit

Classification	Product	Paper width (mm)	Resolution (dots/mm)
Mobile printer	MP-B20	58	8
	MP-B30	80	8
	MP-A40	80 / 100 / 105 / 112	8
	DPU-S245	58	8
	DPU-S445	112	8
POS printer	RP-F10	58 / 80	8
	RP-E10 / E11	58 / 80	8
	RP-D10	58 / 80	8
Panel-mount printer unit	DPU-D2	58	8
	DPU-D3	80	8

Peripherals Guide

Printer Mechanism

Classification	Product	Auto cutter	Interface	CPU
Low voltage	CAPD245	Included	IFD501-01UK IFD501-01SK	PTD50P01
	CAPD345	Included		
	LTPD245	–		
	LTPD345	–		
	LTP01	–	–	–
	LTP02-245-13x	–	–	PT02-5SU
	LTP02-245-A3	–	–	–
	LTP02-245-C1	–	–	PT02-3U
24 volt	LTP04	ACU04	–	–
	CAP06-247	Included	IF06-7S IF06-7U	PT06-57SU
	CAP06-347	Included		
	CAPD247	Included	IFD001-01UK IFD001-01SK	PTD00P01
	CAPD347	Included		
	LTPD247	–		
	LTPD347	–		
	CAPM347	Included	IFM201-01UK	PTM20P01
	CAP9247	Included	–	–
	CAP9347	Included		

Printer Unit

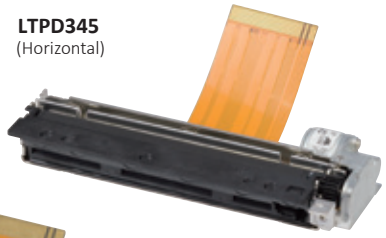
Product category	Product	Power supply	Battery pack	Battery charger	Power cable	Other
Mobile printer	MP-B20	–	BP-B0326 (Included)	–	–	Cradle CDL-B01K-1
	MP-B30	PW-F1215-W1 (Bundled item)	BP-A0720-B1 (Bundled item)	PWC-A071-A1 (single) PWC-A074-A1 (quad)	–	Cradle CDL-B02K-1 Car charger CC-A12-A1 Carrying case CVR-301-1 Strap/Strap attachment STR-A03-1/AMT-B30-1
	MP-A40	PW-D0940-W2	BP-A0720-B1	PWC-A071-A1 (single) PWC-A074-A1 (quad)	CB-JP04-18A CB-US04-18A CB-CE01-18B CB-UK01-20A	Car charger CC-A12-A Strap STR-A03-1
	DPU-S245	PW-D0940-W2	BP-L0719-B1	PWC-L07C1	CB-JP04-18A CB-US04-18A CB-CE01-18B CB-UK01-20A	Carrying case CVR-C01-1
	DPU-S445	PW-D0940-W2	BP-L0725-B1	PWC-L07C1	CB-JP04-18A CB-US04-18A CB-CE01-18B CB-UK01-20A	Carrying case CVR-B01-1
POS printer	RP-F10	PW-G2421-W1	–	–	CB-JP08-20A CB-US06-20A CB-CE05-20A CB-UK03-20A	Wall mounting kit WLK-B01-1 Buzzer BZR-A01-1 Display DSP-A01-W1 DSP-A01-K1
	RP-E10/E11 RP-D10	PW-E2427-W1 (Japan only) PW-E2427-W2	–	–	CB-JP08-20A CB-US06-20A CB-CE05-20A CB-UK03-20A	Wall mounting kit WLK-B01-1 Back plate BCP-A01-K BCP-A01-W
Standalone printer unit	DPU-414	PW-C0725-W2-U	BP-4005	–	–	–
		PW-C0725-W2-E			–	
		PW-C0725-W2-C			–	
		PW-C0725-W2-K			–	
		PW-C0725-W2-B			–	

Thermal Printer Mechanism

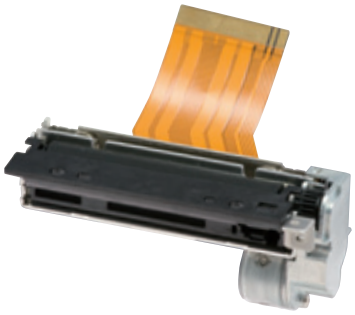
LTPD245/345

POS/ECR | EFT-POS | Measuring Instrument | Barcode | Mobile Printer | Label | Medical Equipment

- **High performance in compact design**
- **Max. printing speed** (LTPD245)**: 100mm/sec**
- **Platen latch function**
- **Label printing** *Under specific conditions only.



LTPD345 (Horizontal)



LTPD245 (Vertical)

Model		LTPD245	LTPD345
Printing	Method	Thermal line dot printing	
	Number of dots/line	384	576
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	80^{+0}_{-1}
	Printing width (mm)	48	72
	Speed (mm/sec) max	100	80
	Paper path	Curved	
Detection	Head temperature	By thermistor	
	Platen position	By mechanical switch	
	Out of paper	By photo interrupter	
Power supply (V)	Operation voltage (Vdd)	2.7 to 3.6 / 4.75 to 5.25	
	Operation voltage (Vp)	4.75 to 9.5	
Peak current (A)	Head	3.66 (9.5V / 64dots) / 5.49 (9.5V / 96dots)	3.60 (9.5V / 64dots) / 5.40 (9.5V / 96dots)
	Motor	0.6	
Service Life	Pulse activation (pulse)	100 million	
	Abrasion resistance (km)	50*1	
Operating temperature (°C)		-10 to 50*1 *3	
Dimensions (W×D×H mm)	Horizontal	69.0 × 30.0 × 15.0*2	91.0 × 30.0 × 15.0*2
	Vertical	69.0 × 15.0 × 30.0*2	91.0 × 15.0 × 30.0*2
Mass (g)		Approx. 40	Approx. 58

*1 Use recommended thermal papers. *2 Excluding protrusion. *3 -30°C to 70°C: Supported by designated conditions only.

Interface

Model	IFD501-01UK	IFD501-01SK
CPU	PTD50P01	
Thermal printer	LTPD245, LTPD345, CAPD245, CAPD345	
Operating voltage (V)	Vp: 4.75 to 9.5	
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24	
Character type	Extended graphics character set, Katakana character set 1, Katakana character set 2, Codepage 1252, User page, Downloaded character, Optional font, JIS 1st and 2nd level kanji, User-defined character	
Communication interface	USB (2.0)	Serial (RS-232C)
Dimensions (W×D×H mm)	69.0 × 50.0 × 14.0	
Software*4	Printer Driver/SDK, Linux® CUPS Filter/SDK	

*4 Please see official homepage "www.sii-ps.com" for details.

CPU

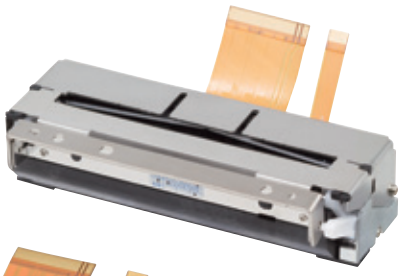
Model	PTD50P01
Thermal printer	LTPD245, LTPD345, CAPD245, CAPD345
Package form	120pin QFP
Operating voltage (V)	Vp: 4.75 to 9.5, Vcc: 3.0 to 3.6
Input frequency (MHz)	12 ± 0.01%
Configuration	C-MOS LSI
Communication interface	Parallel, Serial, USB
Character type	Extended graphics character set, Other characters is available with CGs*5 or external ROM
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24
Dimensions (W×D×H mm)	16.0 × 16.0 × 1.7
Software*6	Printer Driver/SDK, Linux® CUPS Filter/SDK

*5 CG ROM: Japanese *6 Please see official homepage "www.sii-ps.com" for details.

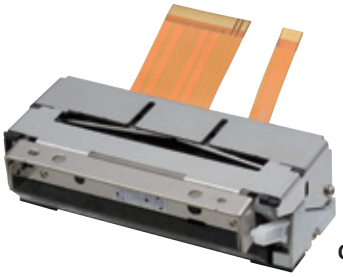
Thermal Printer Mechanism

CAPD245/345

- **Built-in auto-cutter**
- **Jam-free cutter design**
- **Max. printing speed** (CAPD245): **100mm/sec**
- **Platen latch function**



CAPD345



CAPD245

Model		CAPD245	CAPD345
Printing	Method	Thermal line dot printing	
	Number of dots/line	384	576
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	80^{+0}_{-1}
	Printing width (mm)	48	72
	Speed (mm/sec) max	100	80
	Paper path	Curved	
Detection	Head temperature	By thermistor	
	Platen position	By mechanical switch	
	Out of paper	By photo interrupter	
	Cutter home position	By photo interrupter	
Power supply (V)	Operation voltage (Vdd)	2.7 to 3.6 / 4.75 to 5.25	
	Operation voltage (Vp)	4.75 to 9.5	6.5 to 9.5
Peak current (A)	Head	3.66 (9.5V / 64dots) / 5.49 (9.5V / 96dots)	3.60 (9.5V / 64dots) / 5.40 (9.5V / 96dots)
	Motor	0.6	
	Cutter	0.7	
Auto cutter	Method	Slide type	
	Paper thickness (µm)	54 to 80*1	
	Cutting type	Full cut / Partial cut (Leave center point)	
	Operating time (sec/cycle) max	Approx. 1.0	
	Cutting pitch (mm) min	10	
	Cut frequency (cut/min) max	30	
Service Life	Pulse activation (pulse)	100 million	
	Abrasion resistance (km)	50*1	
	Paper cutting (cut)	500,000*1	
Operating temperature (°C)		-10 to 50	
Dimensions (W×D×H mm)		83.1 × 35.4 × 26.9*2	105.1 × 35.4 × 27.2*2
Mass (g)		Approx. 125	Approx. 148

*1 Use recommended thermal papers. *2 Excluding mounting part.

Interface / CPU *3

	Model
USB interface board	IFD501-01UK
Serial interface board	IFD501-01SK
CPU	PTD50P01
Software*4	Printer Driver/SDK, Linux® CUPS Filter/SDK

*3 Interface boards and CPU are mutual options with LTPDX45 series. *4 Please see official homepage "www.sii-ps.com" for details.

Thermal Printer Mechanism

LTP01 Series

- **Max. printing speed: 75mm/sec**
- **Compact and light-weight**
- **Compatible model with LTPZ245** (Horizontal)

LTP01-245

Model		LTP01-245	
		Without platen detecting switch	With platen detecting switch
Printing	Method	Thermal line dot printing	
	Number of dots/line	384	
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	
	Printing width (mm)	48	
	Speed (mm/sec) max	75	
	Paper path	Curved	
Detection	Head temperature	By thermistor	
	Platen position	—	By mechanical switch
	Out of paper	By photo interrupter	
Power supply (V)	Operation voltage (Vdd)	3.0 to 3.6 / 4.75 to 5.25	
	Operation voltage (Vp)	4.75 to 9.5	
Peak current (A)	Head	3.76 (9.5V / 64 dots)	
	Motor	0.6	
Service Life	Pulse activation (pulse)	100 million	
	Abrasion resistance (km)	50*1	
Operating temperature (˚C)		0 to 50	
Dimensions (W×D×H mm)		69.8 × 32.7 × 15.3*2	70.3 × 32.7 × 15.3*2
Mass (g)		Approx. 44	

*1 Use recommended thermal papers. *2 Excluding protrusion.

Thermal Printer Mechanism

LTP02 Series

- Max. printing speed: 100mm/sec
- Extremely compact design for mobile terminal
- Light weight only 28g

LTP02-245

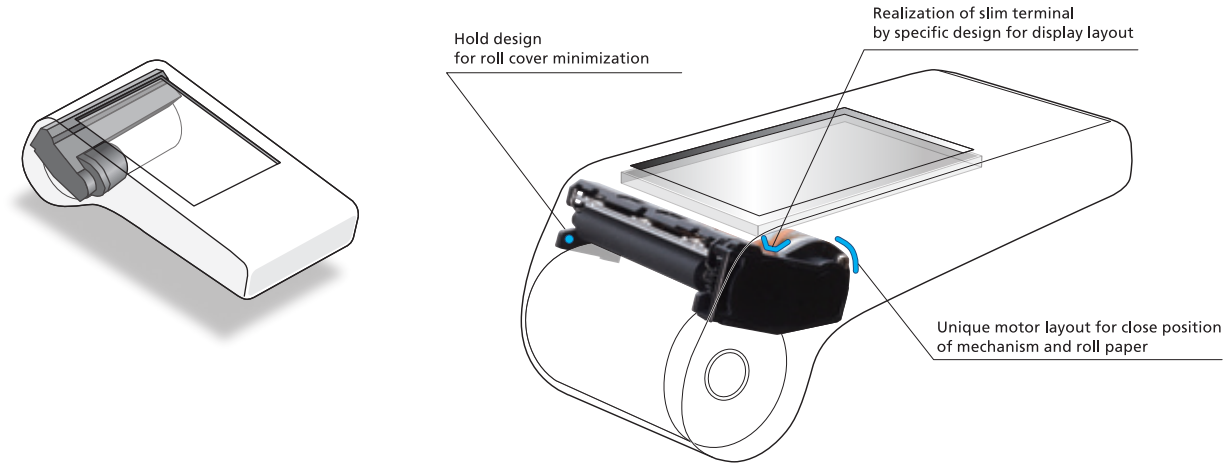
Model		LTP02-245		
		Standard model (LTP02-245-13x)	High speed model (LTP02-245-A3)	Low energy model (LTP02-245-C1)
Printing	Method	Thermal line dot printing		
	Number of dots/line	384		
	Resolution (dots/mm)	8		
	Paper width (mm)	58^{+0}_{-1}		
	Printing width (mm)	48		
	Speed (mm/sec) max	100	120 (9.0V) 165 (12.0V)	85
	Paper path	Curved		
Detection	Head temperature	By thermistor		
	Out of paper	By photo interrupter		
Power supply (V)	Operation voltage (Vdd)	3.0 to 3.6		
	Operation voltage (Vp)	5.5 to 9.5	5.5 to 9.5, 10.8 to 12.6	3.0 to 4.2
Peak current (A)	Head	2.64 (9.5V / 45 dots)	3.02 (12.6V / 48 dots)	5.99 (4.2V / 129 dots)
	Motor	0.6	0.6	1.0
Service Life	Pulse activation (pulse)	100 million	50 million	100 million
	Abrasion resistance (km)	50*1		
Operating temperature (°C)		-10 to 50		
Dimensions (W×D×H mm)		67.3 × 18.1 × 30.0*2		
Mass (g)		Approx. 28		

*1 Use recommended thermal papers. *2 Excluding protrusion..

CPU

Model	PT02-5SU	PT02-3U
Thermal printer	LTP02-245-13x	LTP02-245-C1
Package form	48pin LQFP	
Operating voltage (V)	Vp: 5.5 to 9.5 Vcc: 3.0 to 3.6	Vp: 3.3 to 4.2 Vcc: 3.0 to 3.6
Input frequency (MHz)	16 ± 0.01%	
Configuration	C-MOS LSI	
Communication interface	USB input / output (Device / Printer class / Full speed)	
Character type	ASCII Code	
Dimensions (W×D×H mm)	9.0 × 9.0 × 1.5	

Smart design to contribute reducing terminal size!



Thermal Printer Mechanism

CAP06-247/347

POS/ECR | EFT-POS | Measuring Instrument | Medical Equipment | KIOSK System | Gas POS

- Build in Auto paper cutter
- Easy paper operation
- Max. printing speed: 250mm/sec
- Resolution: 8 dots/mm

CAP06-347

CAP06-247

Model		CAP06-247	CAP06-347
Printing	Method	Thermal line dot printing	
	Number of dots/line	432	576
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	58^{+0}_{-1} / 80^{+0}_{-1}
	Printing width (mm)	54	72
	Speed (mm/sec) max	250	
	Paper path	Curved	
Detection	Head temperature	By thermistor	
	Platen position detection	By mechanical switch	
	Out of paper detection	By photo interrupter	
	Cutter home position	By photo interrupter	
Power supply (V)	Operation voltage (Vdd)	3.0 to 3.6	
	Operation voltage (Vp)	21.6 to 26.4	
Peak current (A)	Head	10.3 (26.4 V / 288 dots)	10.2 (26.4 V / 288 dots)
	Motor	1.0	
	Cutter	0.64	
Auto Cutter	Method	Slide type	
	Paper thickness (µm)	48 to 80*1	
	Cutting type	Full cut / Partial cut (Leave center point)	
	Operating time (sec/cycle) max	0.5	
	Cutting pitch (mm) min	10	
	Cut frequency (cut/min) max	30	
Service Life	Pulse activation (pulse)	150 million	
	Abrasion resistance (km)	150	
	Life (cut)	1,500,000	
Operating temperature (°C)		-10 to 50	
Dimensions (W×D×H mm)		87.5 × 43.9 × 27.2*2	106.5 × 43.9 × 27.2*2
Mass (g)		Approx.140	Approx.163

*1 Use recommended thermal papers. *2 Excluding protrusion.

Interface

Model	IF06-7U	IF06-7S
CPU	PT06-57 SU	
Thermal Printer	CAP06-247, CAP06-347	
Operating voltage (V)	Vp: 21.6 to 26.4	
Character matrix (H×W dots)	16 dots characters: 16 × 8 , 16 × 16	
	24 dots characters: 24 × 12 , 24 × 24	
Character type	Codepage (13 types), Katakana character set, User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters	
Communication interface	USB (2.0)	Serial (RS-232 C)
Dimensions (W×D×H mm)	69.0 × 50.0 × 14.0	
Software*3	Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Linux® CUPS Filter/SDK	

*3 Please see official homepage "www.sii-ps.com" for detail.

CPU

Model	PT06-57SU
Thermal printer	CAP06-247, CAP06-347
Package form	144 pin UFBGA
Operating voltage (V)	Vp: 21.6 to 26.4 Vcc: 3.0 to 3.6
Input frequency (MHz)	12 ± 0.01 %
Configuration	C-MOS / TTL LSI
Communication interface	Serial, USB
Built-in characters	Codepage (13 types), Katakana character set
Additional characters	CG ROM*4
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16
	24 dots characters: 24 × 12, 24 × 24
Dimensions (W×D×H mm)	10.0 × 10.0 × 0.53
Software*5	Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Linux® CUPS Filter/SDK

*4 CG ROM: Japanese *5 Please see official homepage "www.sii-ps.com" for detail.

Thermal Printer Mechanism

LTP04

POS/ECR EFT-POS Measuring Instrument Mobile Printer Medical Equipment

LTP04 / ACU04
(Platen released)

LTP04 / ACU04

- **Max. printing speed: 250mm/sec**
- **Heavy-duty: 150km, 2mil. cuts**
- **Easy maintenance**
  : Major parts are replaceable without tools

Model		LTP04-347
Printing	Method	Thermal line dot printing
	Number of dots/line	576
	Resolution (dots/mm)	8
	Paper width (mm)	80^{+0}_{-1}
	Printing width (mm)	72
	Speed (mm/sec) max	250
Detection	Head temperature	By thermistor
	Platen position	By mechanical switch
	Out of paper	By photo interrupter
Power supply (V)	Operation voltage (Vdd)	3.0 to 3.6
	Operation voltage (Vp)	21.6 to 26.4
Peak current (A)	Head	16.7 (26.4V / 384 dots)
	Motor	1.0
Service Life	Pulse activation (pulse)	150 million*1
	Abrasion resistance (km)	150*1
Operating temperature (˚C)		0 to 50
Dimensions (W×D×H mm)		127.6 × 83.0 × 44.1 (55.95 with auto cutter)*2
Mass (g)		Approx. 400

*1 Use recommended thermal papers. *2 Excluding protrusion

Auto cutter

Model		ACU04-37
Thermal printer		LTP04-347
Cutting	Method	Slide type
	Paper width (mm)	80^{+0}_{-1}
	Paper thickness (µm)	60 to 80*3
	Cutting type	Partial cut (Leave center point)
	Operating time (sec/cycle) max	0.4 (24V)
	Cutting pitch (mm) min	10
	Cut frequency (cut/min) max	30
Operating voltage (V)	Motor	21.6 to 26.4
	Detector (control switch)	3.0 to 5.0
Starting current (A)		1.3
Life (Cut)		2,000,000*4
Dimensions (W×D×H mm)		95.6 × 39.0 × 16.2
Mass (g)		Approx. 100

*3 Use recommended thermal papers *4 Depending upon specified conditions.

Thermal Printer Mechanism

LTPD247/347

POS/ECR | Measuring Instrument | Barcode | Label | Medical Equipment

- High performance in compact design
- Max. printing speed: 200mm/sec
- Platen latch function
- Label printing *Under specific conditions only.

LTPD347

LTPD247
(Horizontal)

Model		LTPD247	LTPD347
Printing	Method	Thermal line dot printing	
	Number of dots/line	432	576
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	80^{+0}_{-1}
	Printing width (mm)	54	72
	Speed (mm/sec) max	200	
	Paper path	Curved	
Detection	Head temperature	By thermistor	
	Platen position	By mechanical switch	
	Out of paper	By photo interrupter	
Power supply (V)	Operation voltage (Vdd)	2.7 to 3.6 / 4.75 to 5.25	
	Operation voltage (Vp)	21.6 to 26.4	
Peak current (A)	Head	2.61 (26.4V / 144dots) / 5.23 (26.4V / 288dots)	
	Motor	0.44	0.52
Service Life	Pulse activation (pulse)	100 million	
	Abrasion resistance (km)	100*1	
Operating temperature (°C)		-10 to 50	
Dimensions (W×D×H mm)	Horizontal	71.0 × 30.0 × 15.0*2	91.0 × 30.0 × 15.0*2
	Vertical	71.0 × 15.0 × 30.0*2	91.0 × 15.0 × 30.0*2
Mass (g)		Approx. 56	Approx. 64

*1 Use recommended thermal papers. *2 Excluding protrusion.

Interface

Model	IFD001-01UK	IFD001-01SK
CPU	PTD00P01	
Thermal printer	LTPD247, LTPD347, CAPD247, CAPD347	
Operating voltage (V)	Vp: 21.6 to 26.4	
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24	
Character type	Extended graphics character set, Katakana character set 1, Katakana character set 2, Codepage 1252, User page, Downloaded character, Optional font, JIS 1st and 2nd level kanji, User-defined character	
Data input method	USB (2.0)	Serial (RS-232C)
Dimensions (W×D×H mm)	69.0 × 50.0 × 14.0	
Software*3	Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Linux® CUPS Filter/SDK	

*3 Please see official homepage "www.sii-ps.com" for details.

CPU

Model	PTD00P01
Thermal printer	LTPD247, LTPD347, CAPD247, CAPD347
Package form	120pin QFP
Operating voltage (V)	Vp: 21.6 to 26.4, Vcc: 3.0 to 3.6
Operating frequency (MHz)	12MHz ± 0.01%
Configuration	C-MOS LSI
Input method	Parallel, Serial, USB
Character type	Extended graphics character set, Other characters is available with CGs*4 or external ROM
Character size	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24
Dimensions (W×D×H mm)	16.0 × 16.0 × 1.7
Software*5	Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Linux® CUPS Filter/SDK

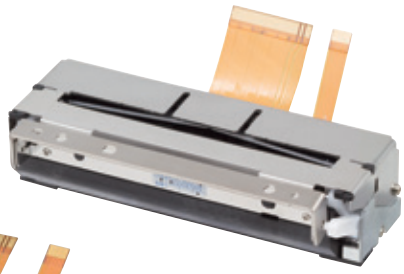
*4 CG ROM: Japanese *5 Please see official homepage "www.sii-ps.com" for details.

Thermal Printer Mechanism

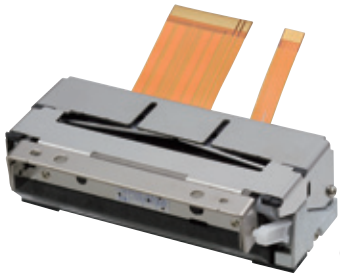
CAPD247/347

POS/ECR | EFT-POS | Measuring Instrument | Barcode | KIOSK System | Gas POS | Ticket Printer | Medical Equipment

- Built-in auto-cutter
- Jam-free cutter design
- Max. printing speed: 200mm/sec
- Platen latch function



CAPD347



CAPD247

Model		CAPD247	CAPD347
Printing	Method	Thermal line dot printing	
	Number of dots/line	432	576
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	80^{+0}_{-1}
	Printing width (mm)	54	72
	Speed (mm/sec) max	200	
	Paper path	Curved	
Detection	Head temperature	By thermistor	
	Platen position	By mechanical switch	
	Out of paper	By photo interrupter	
	Cutter home position	By photo interrupter	
Power supply (V)	Operation voltage (Vdd)	2.7 to 3.6 / 4.75 to 5.25	
	Operation voltage (Vp)	21.6 to 26.4	
Peak current (A)	Head	2.61 (26.4V / 144dots) / 5.23 (26.4V / 288dots)	
	Motor	0.44	0.52
	Cutter	0.64	
Auto cutter	Method	Slide type	
	Paper thickness (μm)	54 to 91*1	
	Cutting type	Full cut / Partial cut (Leave center point)	
	Operating time (sec/cycle) max	Approx. 0.5	
	Cutting pitch (mm) min	10	
	Cut frequency (cut/min) max	30	
Service Life	Pulse activation (pulse)	100 million	
	Abrasion resistance (km)	100*1	
	Paper cutting (cut)	1,000,000*1	
Operating temperature (°C)		-10 to 50	
Dimensions (W×D×H mm)		83.1 × 35.4 × 26.9*2	105.1 × 35.4 × 27.2*2
Mass (g)		Approx. 131	Approx. 154

*1 Use recommended thermal papers. *2 Excluding mounting part.

Interface / CPU *3

	Model
USB interface board	IFD001-01UK
Serial interface board	IFD001-01SK
CPU	PTD00P01
Software*4	Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Linux® CUPS Filter/SDK

*3 Interface boards and CPU are mutual options with LTPDX47 series.
*4 Please see official homepage "www.sii-ps.com" for details.

Thermal Printer Mechanism

CAPM Series

- Max. printing speed: 300mm/sec
- Build in auto paper cutter
- Head open design for easy paper operation
- Heavy-duty: 200km, 2mil. cuts
- Wide operating temperature: -20°C to 60°

CAPM347

Model		CAPM347		
		Easy paper operation model	Loading model	
		Regular thermal paper	Regular thermal paper	Thick thermal paper
Printing	Method	Thermal line dot printing		
	Number of dots/line	640		
	Resolution (dots/mm)	8		
	Paper width (mm)	58^{+0}_{-1} / 60^{+0}_{-1} / 80^{+0}_{-1} / 83^{+0}_{-1}		
	Printing width (mm)	54 / 56 / 72 / 80		
	Speed (mm/sec) max	300[*1]	300[*1]	280[*1]
Detection	Head temperature	By thermistor		
	Head position	By mechanical switch		
	Out of paper	By photo interrupter		
	Mark position	By photo interrupter[*1]		
	Cutter home position	By photo interrupter		
Power supply (V)	Operation voltage (Vdd)	2.7 to 3.6 / 4.75 to 5.25		
	Operation voltage (Vp)	21.6 to 26.4		
Peak current (A)	Head / Motor / Cutter	5.6 (26.4V / 144dots) / 1.2 / 1.1		
Auto Cutter	Method	Slide type		
	Paper thickness (μm)[*1]	54 to 90[*2]	54 to 90[*2]	100 to 150[*2]
	Cutting type	Full cut / Partial cut (Leave center point)		
Service Life	Pulse activation (pulse)	200 million	200 million	100 million
	Abrasion resistance (km)	200[*2]	200[*2]	100[*2]
	Paper cutting (cut)	2,000,000[*2]	2,000,000[*2]	1,000,000[*2]
Operating temperature (°C)		-20 to 60[*1]	-20 to 60[*1]	-20 to 60[*1]
Dimensions (W×D×H mm)		110.0 × 61.0 × 53.4	110.0 × 61.0 × 55.9	
Mass (g)		Approx. 500		

*1 Under specified condition. *2 Use recommended thermal papers.

Interface

Model	IFM201-01UK
CPU	PTM20P01
Thermal printer	CAPM347
Operating voltage (V)	Vp: 21.6 to 26.4
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24
Character type	Extended graphics character set, Katakana character set, Codepage (437, 850, 852, 858 and 1252), User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters
Communication interface	USB (2.0)
Dimensions (W×D×H mm)	60.0 × 80.0 × 14.0
Software[*3]	Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Linux® CUPS Filter/SDK

*3 Please see official homepage "www.sii-ps.com" for details.

CPU

Model	PTM20P01
Thermal printer	CAPM347
Package form	144pin QFP
Operating voltage (V)	Vp: 21.6 to 26.4, Vdd: 3.0 to 3.6
Input frequency (MHz)	12 ± 0.01%
Configuration	C-MOS LSI
Communication interface	Parallel, Serial, USB
Character type	Extended graphics character set, Other characters is available with CGs[*4] or external ROM
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24
Dimensions (W×D×H mm)	22.0 × 22.0 × 1.7
Software[*5]	Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Linux® CUPS Filter/SDK

*4 CG ROM: Japanese *5 Please see official homepage "www.sii-ps.com" for details.

Loading Model

Easy Paper Operation Model

Thermal Printer Mechanism

CAP9000 Series

- **Max printing speed: 250mm/sec**
- **Compact 2”, 3” heavy-duty mechanism**
- **Support thick paper: up to 155µm**[*1]
  (Straight path model only)
- **Operation temperature: -20˚C to 60˚C**

Model		CAP9247	CAP9347
Printing	Method	Thermal line dot printing	
	Number of dots/line	448	640
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1} / 60^{+0}_{-1}	80^{+0}_{-1} / 82.55^{+0}_{-1}
	Printing width (mm)	54 / 56	76 / 80
	Speed (mm/sec) max	250	
	Paper path	Curved / Straight	
Detection	Head temperature	By thermistor	
	Out of paper	By photo interrupter	
	Mark position	By photo interrupter	
	Platen position	By mechanical switch	
	Cutter position	By mechanical switch	
Power supply (V)	Operation voltage (Vdd)	4.75 to 5.25	
	Operation voltage (Vp)	21.6 to 26.4	
Peak current (A)	Head	5.9 (26.4V / 128 dots)	
	Motor	1.0	
	Cutter	1.2	
Auto cutter	Method	Slide type	
	Paper thickness (µm)	57 to 155[*1]	
	Cutting type	Full cut / Partial cut (Leave center point)	
	Operating time (sec/cycle) max	2	
	Cutting pitch (mm)min	10	
	Cut frequency (cut/min) max	30	
Service Life	Pulse activation (pulse)	150 million	
	Abrasion resistance (km)	150[*1]	
	Paper cutting (cut)	1,000,000[*1]	
Operating temperature (˚C)		-20 to 60	
Dimensions (W×D×H mm)		89.5 × 50.0 × 30.0[*2]	112.0 × 50.0 × 30.0[*2]
Mass (g)		Approx. 131	Approx. 290

*1 Use recommended thermal papers. *2 Excluding protrusion.

POS Printer

RP-E10 Series

POS/ECR | Measuring Instrument | Barcode | KIOSK System | Medical Equipment | Gaming

RP-E10

- **RP-E10: Paper top-exit**
  RP-E11: Paper front-exit (IPx1)
- **Compact cube: 129mm × 129mm × 129mm**
- **Max printing speed: 350mm/sec**
- **High Reliability: 150km, 2 million cuts**
- **Wide variety of driver and utility software suite**
- **Large LED indicator** (Multi-color)

Model		RP-E10 (Receipt top-exit)	RP-E11 (Receipt front-exit)
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	ϕ 83	
	Inside diameter of paper roll (mm)	ϕ 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 (Built-in timing mark sensor)	
Character type		Codepage (14 pages), Katakana character set, User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters	
Bar code		UPC-A/E, JAN (EAN) 8/13, ITF, CODABAR, CODE39, CODE93, CODE128, QR Code, PDF417, GS1 Databar, MaxiCode, Data Matrix	
Power supply (V)		Specified AC adapter, External power (DC24V ± 5%)	
Communication interface		USB, Serial, Powered 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	Abrasion resistance (km)	150*1	
	Paper cutting (cut)	2,000,000*1	
Dimensions (W×D×H mm)		129.0 × 129.0 × 129.0*2	
Mass (g)		Approx. 1300	
Standard		FCC, CE, VCCI, etc.	
Options		Wall mounting kit, Back plate	
Cash drawer		2 drivers (24V / 1A)	
Body color		2 colors: White / Black	
Software*3		Printer Driver/SDK, OPOS Driver, POS for .NET Driver, JavaPOS™, Android™ SDK, iOS SDK, Linux® CUPS Filter/SDK	

*1 Use recommended thermal papers. *2 Excluding protrusion. *3 Please see official homepage "www.sii-ps.com" for details.

RP-E10 DISPLAY

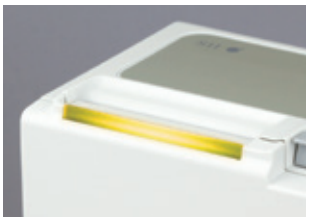
Stand-by mode

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.



POS Printer

RP-D10 Series

POS/ECR | Measuring Instrument | Barcode | KIOSK System | Medical Equipment | Gaming

- **Dual purpose: Paper top-exit and front-exit** (IPx1)
- **Compact cube: 129mm × 129mm × 129mm**
- **Max printing speed: 200mm/sec**
- **Energy saving: ENERGY STAR® compliant**
- **Paper saving: Receipt top space = 2mm** (min.)
- **Wide variety of driver and utility software suite**

RP-D10

Made for iPhone | iPad | iPod

Model		RP-D10
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	200
	Outside diameter of paper roll (mm) max	ϕ 83
	Inside diameter of paper roll (mm)	ϕ 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
Character type		Codepage (14 pages), Katakana character set, User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters
Bar code		UPC-A/E, JAN (EAN) 8/13, ITF, CODABAR, CODE39, CODE93, CODE128, QR Code, PDF417, MaxiCode, Data Matrix
Power supply (V)		Specified AC adapter, External power (DC24V ± 5%)
Communication interface		USB, Serial, Powered USB, Ethernet, Bluetooth®
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
	Paper cutting (cut)	1,500,000*2
Dimensions (W×D×H mm)		129.0 × 129.0 × 129.0*3
Mass (g)		Approx. 850
Standard		FCC, CE, VCCI, etc.
Options		Wall mounting kit, Back plate
Cash drawer		2 drivers (24V / 1A)
Body color		2 colors: White / Black
Software*4		Printer Driver/SDK, OPOS Driver, POS for .NET Driver, JavaPOS™, Android™ SDK, iOS SDK, Linux® CUPS Filter/SDK

*1 Use recommended thermal papers. *2 Vary according to thermal paper. *3 Excluding protrusion. *4 Please see official homepage "www.sii-ps.com" for details.

RP-E10 / RP-D10 SOFTWARE TOOLS

Convenient software tools available for assisting application development.

Utility soft (Build on the Printer driver)

Memory SW setting, LOG management, USB serial ID setting, NV image registration, Code page registration

POS Printer

RP-F10 Series

POS/ECR | Measuring Instrument | Barcode | KIOSK System | Medical Equipment | Gaming

RP-F10

- **2-way: Paper top-exit and front-exit** (IPx1)
- **Compact cube: 127mm × 127mm × 127mm**
- **Max printing speed: 250mm/sec**
- **Optional 4.3 inch color LCD can be mounted on RP-F10**
- **Easy pairing with a Bluetooth terminal via NFC** (Bluetooth Model)
- **Cutter lock automatic restoration mechanism**
- **Various drivers and wide variety utility software**

Made for iPhone | iPad | iPod

Model		RP-F10
Printing	Method	Thermal line dot printing
	Resolution (dpi)	203 (8 dots / mm)
	Paper width (mm)	58 $^{+0}_{-1}$ / 80 $^{+0}_{-1}$
	Printing width (mm)	54 / 72
	Speed (mm/sec) max	250
	Outside diameter of paper roll (mm) max	ϕ83
	Character matrix (H×W dots)	24 × 12, 24 × 24, 16 × 8, 16 × 16
	Character size (H×W mm)	3.0 × 1.5, 3.0 × 3.0, 2.0 × 1.0, 2.0 × 2.0
Type of paper		Roll paper
Character type		Codepage (14 pages), Katakana character set, User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters
Bar code		UPC-A/E, JAN(EAN)8 /13, ITF, CODABAR, Code39, Code93, Code128, QR, PDF417, MaxiCode, Data Matrix, GS1 Databar
Power supply		Specified AC adapter, External power (DC24 ± 10 %)
Communication interface		USB+USB-host, Ethernet+USB-host, Bluetooth (NFC)+USB-host, Bluetooth(NFC)+USB Type-C/PD+USB host
Input buffer		4K bytes
Command		ESC/POS™ conformity
Cutting	Method	Slide type
	Cutting type	Full cut / Partial cut (Leave center point)
Operating Temperature (°C)		5 to 45
Service life	Abrasion resistance (km)	150 *1
	Paper cutting (cut)	1,500,000 *1
Dimensions (W×D×H mm)		127.0 × 127.0 × 127.0 *2
Mass (g)		Approx. 840
Standard		FCC, CE, VCCI
Options		Wall mounting Kit, Buzzer, LCD (4.3 inch color)
Cash drawer		2 drivers (24 V / 1 A)
Body color		2 colors: White / Black
Software *3		Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Android™ SDK, iOS SDK, Linux® CUPS Filter/SDK

*1 Use recommended thermal papers. *2 Excluding protrusion
*3 Please see official homepage "www.sii-ps.com" for details.

POS Printer (Option)

DISPLAY

POS/ECR | Measuring Instrument | Barcode | KIOSK System | Medical Equipment | Gaming

DSP-A01 (Horizontal)

DSP-A01 (Vertical)

- **4.3inch color LCD** (W480 × H272 pixels)
- **Various installation methods:**
  Mounted on printer (RP-F10)**, Stand-alone, Fixing screw** (wall mount)
- **Various display contents:**
  Character, Barcode (1D Barcode / QR code)
  Imege (JPEG, PNG)
- **Various applications:**
  Customer display, QR payment, Advertisement
- **Printer error and its recovery method are displayed** (Connect with RP-F10)
- **Various drivers and wide variety utility software**

Model		DSP-A01
LCD	Panel Size	4.3 inch
	Method	TFT LCD
	Color	16 Bit Color
	Number of Pixels (pixel)	480 (W) × 272 (H)
	Active Area (mm)	95.04 (W) × 53.856 (H)
	Pixel Pitch (mm)	0.198 (W) × 0.198 (H)
	Luminance (cd/m²)	300
Contents		Character, Barcode, Image
Character	Character matrix (H×W pixel)	24 × 12, 24 × 24, 16 × 8, 16 × 16
	Character size (H×W mm)	4.752 × 2.376, 4.752 × 4.752, 3.168 × 1.584, 3.168 × 3.168
	Number of characters	ANK: 320 characters (40 characters × 8 lines) Kanji: 160 characters (20 characters × 8 lines)
	Character type	Codepage (18 Pages), Katakana character set, User-defined character, Optional font (max. 255 × 255 pixel), JIS 1 &2 Level Kanji, Special characters
	Character decoration	Vertical double (×2, ×4), Horizontal double (×2, ×4), Bold, Underlin
Barcode	1D	UPC-A/E, JAN (EAN) 8 /13 , ITF, CODABAR, Code39 , Code128
	2D	QR code (Version 1 to 22 , Cell size 1 to 16 pixel)
Image		JPEG, PNG
Power supply		DC 4.75 V to 5.25 V (Activated with USB bus power)
Communication interface		USB 2.0 Full speed, micro B connector
Operating Temperature (℃)		5 to 45
Service life		30,000 hours
Dimensions (W×D×H mm)		Approx. 120 × 25 × 120 *1
Mass (g)		Approx. 265
Standard		FCC, CE, VCCI
Display tilt angle		0 to 150°
Installation method		Mounted on printer (RP-F10), Stand-alone, Fixing screw (wall mount)
Software *2		Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Android™ SDK, iOS SDK

*1 Excluding protrusion.
*2 Please see official homepage "www.sii-ps.com" for details.

Mobile Printer

MP-A40 Series

MP-A40

- **High Reliability**
  - Drop rating: 2.0m (6.6feet) multiple
  - IP rating: IP54
  - Operating temperature: -20˚C to 50˚C
- **Wide variety of driver and SDK for mobile equipment**
- **Simple operation**
- **Stylish design**

Made for iPhone | iPad | iPod

Model		MP-A40
Printing	Method	Thermal line dot printing
	Number of dots/line	832
	Resolution (dots/mm)	8
	Paper width (mm)	80^{+0}_{-1} / 100^{+0}_{-1} / 105^{+0}_{-1} / 112^{+0}_{-1}
	Printing width (mm)	104
	Speed (mm/sec) max	105
	Outside diameter of paper roll (mm) max	ϕ58
	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, Label roll paper
Character type		Codepage (17 pages), Katakana character set, User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters
Bar code		UPC-A/E, JAN(EAN)8/13, ITF, CODE39, CODABAR, CODE93, CODE128, PDF417, QR Code, MaxiCode, Data Matrix, GS1 Databar
Power supply (V)		Option: Specified AC adapter, Li-ion battery
Communication interface		USB, Bluetooth®*1
Input buffer		4K bytes
Command		ESC/POS™ conformity, CPCL conformity, HTML command
Cutting		Tear bar
Drop rating		2.0m (6.6feet) multiple*2
IP rating		IP54*2
Operating temperature (˚C)		-20 to 50
Service life (km)		50*3
Dimensions (W×D×H mm)		156 × 152 × 71*4
Mass (g)		Approx. 760*5
Standard		FCC, CE, VCCI
Bundled items		Belt clip, Partition plate
Options		AC adapter, Battery pack, Battery charger (single/quad), AC cable, USB cable, Serial cable, Car charger, Strap
Software*6		Printer Driver/SDK, Windows® CE SDK, Android™ SDK, iOS SDK

*1 Selected model. *2 Test performance by specified condition. *3 Use recommended thermal papers. *4 Excluding protrusion
*5 Including battery, excluding roll paper *6 Please see official homepage "www.sii-ps.com" for details.

Mobile Printer

MP-B30

- **Compact & Light Weight**
- **Drop rating: 1.8m** (6feet)
  IP rating: IP54
- **Printing Speed: 127mm/sec max**
- **Simple Operation & Stylish Design**
- **Option Cradle for Charging**

MP-B30

Made for iPhone | iPad | iPod

Model		MP-B30
Printing	Method	Thermal line dot printing
	Number of dots/line	576
	Resolution (dots/mm)	8
	Paper width (mm)	80 $^{+0}_{-1}$
	Printing width (mm)	72
	Printing speed (mm/sec) max	127 (5inch)
	Outside diameter of paper roll (mm)max	ϕ51
	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
Character type		Codepage (17 pages), Katakana character set, User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters
Barcode		UPC-A/E, JAN (EAN)8 /13 , ITF, CODE39 , CODABAR, CODE93 , CODE128 , PDF417 , QR Code, MaxiCode, Data Matrix, GS1 Databar
Power supply		Li-ion Battery
Communication interface		USB, Bluetooth®, W-LAN *1
Input buffer		4K bytes
Command		ESC/POS™ conformity
Cutting method		Tear bar
Falling resistance		1.8 m *2
IP rating		IP54 *2
Operating Temperature (°C)		-20 to 55
Service life: Abrasion resistance (km)		50 *3
Dimensions (W×D×H mm)		105 × 126 × 58 *4
Mass (g)		395 *5
Standard		FCC, CE, VCCI
Bundled items		AC adapter, Battery, USB cable, Belt clip
Options		Cradle for charging, Single battery charger, Quad battery charger, Car charger, Strap/Attachment, Carrying case
Software *6		Printer Driver/SDK, OPOS Driver, POS for .NET Driver, Windows® CE SDK, Android™ SDK, iOS SDK

*1 Selected model. *2 This number is test result based on SII procedures, not guaranteed value. *3 Use recommended thermal papers.
*4 Excluding protrusion *5 with battery, without paper roll *6 Please see official homepage "www.sii-ps.com" for details.

Mobile Printer

MP-B20

Measuring Instrument | PDA/ Smart Device | Barcode | Mobile Printer | Medical Equipment

- **Compact & Light Weight**
- **Max printing speed: 80mm/sec**
- **Simple Operation & Stylish Design**
- **Charging battery by USB**
  (No AC adapter required)
- **Cradle option**

MP-B20

Made for iPhone | iPad | iPod

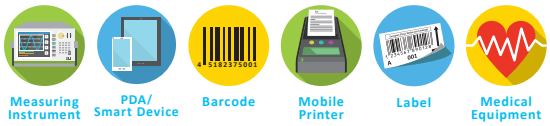
Model		MP-B20
Printing	Method	Thermal line dot printing
	Number of dots/line	384
	Resolution (dots/mm)	8
	Paper width (mm)	58^{+0}_{-1}
	Printing width (mm)	48
	Speed (mm/sec) max	80
	Outside diameter of paper roll (mm) max	ϕ40
	Character matrix (H×W dots)	24 × 12, 24 × 24, 16 × 8, 16 × 16
	Character 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
Character type		Codepage (17 pages), Katakana character set, User-defined character, Downloaded character, Optional font, JIS 1st and 2nd level Kanji, Special characters
Bar code		UPC-A/E, JAN(EAN)8/13, ITF, CODE39, CODABAR, CODE93, CODE128 PDF417, QR Code, MaxiCode, Data Matrix, GS1 Databar
Power supply (V)		Li-ion battery
Communication interface		USB, Bluetooth®
Input buffer		4K bytes
Command		ESC/POS™ conformity
Cutting		Tear bar
Falling resistance		1.5m*1
Operating temperature (°C)		-10 to 50
Service life (km)		50*2
Dimensions (W×D×H mm)		79.0 × 110.0 × 44.0*3
Mass (g)		Approx. 180*4
Standard		FCC, CE, VCCI
Bundled items		USB cable, Battery, Belt clip
Option		Cradle for charging
Software*5		Printer Driver/SDK, Windows® CE SDK, Android™ SDK, iOS SDK

*1 This number is test result based on SII procedures, not guaranteed value. *2 using specified thermal paper *3 Excluding protrusion *4 with battery, without paper roll *5 Please see official homepage "www.sii-ps.com" for details.

Cradle option

Mobile Printer

DPU-S Series



- **Max printing speed: 100mm/sec** (DPU-S245)
  90mm/sec (DPU-S445)
- **Interface: Bluetooth®, USB, Serial**
- **Compact and light-weight**
- **Easy paper operation**
- **Wide variety of driver and utility software suite**


DPU-S445


DPU-S245

Made for iPhone | iPad | iPod

Model		DPU-S245	DPU-S445
Printing	Method	Thermal line dot printing	
	Number of dots/line	384	832
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	112^{+0}_{-1}
	Printing width (mm)	48	104
	Speed (mm/sec) max	100	90
	Outside diameter of paper roll (mm) max	ϕ38	ϕ50
	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	
	Number of columns	24, 12, 32, 16	52, 26, 69, 34
Type of Paper		Roll paper, Label roll paper	Roll paper, Label roll paper, Cut sheet paper
Character type		Extended graphics character set, Katakana character set, CP1252, Optional font, Downloaded character, User-defined character, JIS 1 & 2 level kanji	
Bar code		UPC-A/E, JAN (EAN) 8/13, ITF, CODE39, CODABAR, CODE128, PDF417, QR Code, MaxiCode, Data Matrix	
Power supply (V)		Li-ion battery, Specified AC adapter	
Communication interface		Bluetooth®*1, USB, Serial	
Input buffer		4K bytes	
Command		ESC/P™ conformity	
Cutting		Tear bar	
Operating temperature (°C)		-10 to 50	0 to 50
Service life (km)		50*2	
Dimensions (W×D×H mm)		83 × 130 × 45*3	145.0 × 135.0 × 58.0*3
Mass (g)		Approx. 280*4	Approx. 490*4
Standard		FCC, CE, VCCI	
Options		AC adapter, Battery pack, Battery charger, AC cable, USB cable, Serial cable, Carrying case	
Software*5		Printer Driver/SDK, Windows® CE SDK, Android™ SDK, iOS SDK	

*1 Only Bluetooth® model. *2 Use recommended thermal papers. *3 Excluding protrusion. *4 Including battery, excluding roll paper. *5 Please see official homepage "www.sii-ps.com" for details.

Easy paper operation


DPU-S245


DPU-S445

Cut sheet paper


DPU-S445

Panel-Mount Printer Unit

DPU-D Series

Measuring Instrument　Barcode　Medical Equipment

- **Max printing speed: 100mm/sec** (DPU-D2)
  80mm/sec (DPU-D3)
- **Small and compact design**
- **Panel-mount type**
- **Easy paper operation**

DPU-D2

DPU-D3

Model		DPU-D2-00A	DPU-D3-00A
Printing	Method	Thermal line dot printing	
	Number of dots/line	384	576
	Resolution (dots/mm)	8	
	Paper width (mm)	58^{+0}_{-1}	80^{+0}_{-1}
	Printing width (mm)	48	72
	Speed (mm/sec) max	100 (8.5V)	80 (8.5V)
	Character matrix (H×W dots)	24 × 24, 24 × 12, 16 × 16, 16 × 8	
	Character size (H×W mm)	3.0 × 3.0, 3.0 × 1.5, 2.0 × 2.0, 2.0 × 1.0	
	Number of columns	16, 32, 24, 48	24, 48, 36, 72
Character type		Extended graphics character, Katakana character set, CP1252, Optional font, Downloaded character, User-defined character, JIS 1 & 2 level kanji	
Bar code		UPC-A/E, JAN (EAN) 8/13, ITF, CODE39, CODABAR, CODE93, CODE128, PDF417, QR Code, MaxiCode, Data Matrix	
Power supply (V)		Driving voltage (5.0 to 9.0)	
Communication interface		Serial / USB	
Input buffer		4K bytes	
Command		ESC/POS™ conformity	
Cutting		Tear bar	
Operating Temperature (°C)		-10 to 50	
Service life (km)		50*1	
Dimensions (W×D×H mm)		80.0 × 68.8 × 85.5*2	102.0 × 68.8 × 85.5*2
Mass (g)		Approx. 180	Approx. 210
Software*3		Printer Driver/SDK	

*1 Use recommended thermal papers. *2 Excluding protrusion. *3 Please see official homepage "www.sii-ps.com" for details.

Thermal Printer Mechanism

LTPZ Series Low Voltage

POS/ECR EFT-POS Measuring Instrument Mobile Printer Medical Equipment

- Max. printing speed: 75mm/sec
- Compact and light-weight
- Operating temperature: -20˚C to 50˚C

LTPZ245
(Vertical)

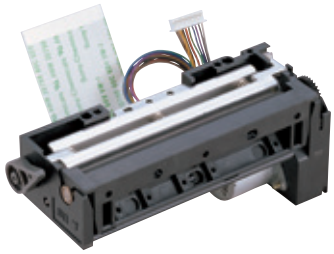
LTPZ245
(Horizontal)

Thermal Printer Mechanism

LTPV Series Low Voltage

Measuring Instrument Barcode Mobile Printer Label Medical Equipment

- Max printing speed: 85mm/sec
- Platen latch function
- Label printing
- Support thick paper: up to 135µm



LTPV345

Thermal Printer Mechanism

LTPC Series Low Voltage

POS/ECR Measuring Instrument Mobile Printer Medical Equipment

- Max printing speed: 65mm/sec
- Easy paper operation
- Lineup of head resolution: 6 dots/mm and 8 dots/mm

LTPC245

Thermal Printer Mechanism

LTPH245 Low Voltage

POS/ECR EFT-POS Measuring Instrument Mobile Printer Medical Equipment

- Max printing speed: 62.5mm/sec
- Easy paper operation
- Platen latch function
- Operating temperature: -30˚C to 70˚C

LTPH245

Thermal Printer Mechanism

LTP1245 Low Voltage

POS/ECR EFT-POS Measuring Instrument Mobile Printer Medical Equipment

- Max printing speed: 62.5mm/sec
- Compact and light-weight
- Paper feed knob model available
- Straight and curved path models available
- Operating temperature: -30˚C to 70˚C

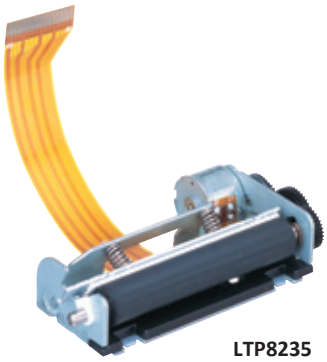
LTP1245

Thermal Printer Mechanism

LTP8235 Low Voltage

POS/ECR, Measuring Instrument, Mobile Printer, Medical Equipment, Calculator

- Max printing speed: 60mm/sec
- Compact and light-weight
- Resolution: 6 dots/mm
- Loading type



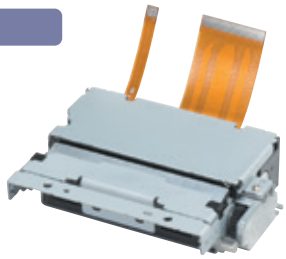
LTP8235

Thermal Printer Mechanism

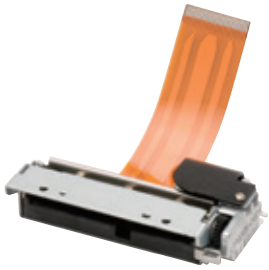
CAPG247/ LTPG247 24V

POS/ECR, EFT-POS, Barcode

- Max printing speed: 150mm/sec
- Platen latch function



CAPG247
(With auto cutter model)



LTPG247

Thermal Printer Mechanism

LTP2000 Series 24V

POS/ECR, Measuring Instrument, Barcode, KIOSK System, Ticket Printer, Medical Equipment

- Max printing speed (LTP2242): 90mm/sec
- Straight and curved path models available
- Label printing
- Support thick paper: up to 135µm (Straight path model only)

LTP2242

LTP2342

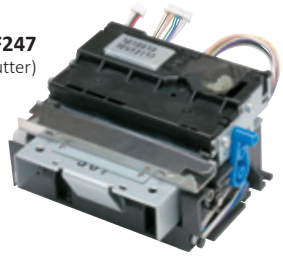
Thermal Printer Mechanism

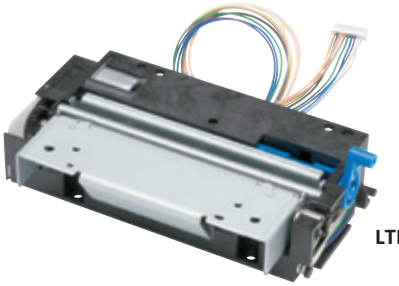
LTPF Series 24V

POS/ECR, EFT-POS, Measuring Instrument, Barcode, KIOSK System, Medical Equipment, Gaming

- Max printing speed: 220mm/sec
- Platen latch function
- Auto cutter option (Slide type) available

LTPF247
(With auto cutter)





LTPF347

Recommended thermal paper

Seiko Instruments Inc. recommends the following paper to best print.

Printer	Thermal paper	Specification					
		Paper width (mm)	External diameter (mm)	Internal diameter (mm)	Length (m)	Roll/Box	Core
MP-B20	TP-211A-L1	58	40	9	(20)	10	-
MP-B30	TP-311A-L1	80	50	9	(32)	10	-
MP-A40	TP-411A-L1	112	58	9	(45)	10	-
DPU-S245	TP-S245L-1	58	38	9	(19)	10	-
DPU-S445	TP-341L-1	112	48	9	(28)	10	-
RP-F10, RP-E10, RP-D10, RP-B10	TP-E23C-1	58	80	12	(65)	10	✓
	TP-B10CH	80	80	12	(65)	10	✓
CAPD245, LTPD245, LTPU245 LTPJ245, LTPA245, LTPC245, CAPC245, LTPH245	TP-322L	58	30	9	(9)	10	-
CAPD345, LTPD345, LTPV345	TP-V341L	80	48	9	(28)	10	-
LTPV445	TP-341L-1	112	48	9	(28)	10	-
CAPD247, LTPD247, LTP01, LTP02, LTPG247, LTPF247	TP-211C-1	58	48	12	(25)	10	✓
LTP04, CAPD347, LTPD347, LTPF347	TP-312C-1	80	48	12	(25)	10	✓
LTP2242	TP-521C	60	48	12	(25)	10	✓
LTP2342	TP-312C-1	80	48	12	(25)	10	✓
LTP2442	TP-451C-1	112	48	12	(25)	10	✓
DPU-3445	TP-341L-1	112	48	9	(28)	10	-
	TP-343L-3 (High proof paper)	112	48	9	(28)	10	-
DPU-D2	TP-211C-1	58	48	12	(25)	10	✓
DPU-D3	TP-312C-1	80	48	12	(25)	10	✓
DPU-12	TP-201C-1	58	38	9	(18)	10	✓
DPU-30	TP-211C-1	58	48	12	(25)	10	✓
DPU-411, DPU-412, DPU-414	TP-411L-3	112	48	9	(28)	10	-
	TP-411L-4	112	48	9	(28)	10	-
DPU-H245	TP-H241L	58	25	9	(7)	10	-
DPU-E247	TP-E23C-1	58	80	12	(65)	10	✓
APU-G247	TP-E23C-1	58	80	12	(65)	10	✓
APU-F247	TP-E23C-1	58	80	12	(65)	10	✓
SAM-1245	TP-322L	58	30	9	(9)	10	-
MTP102	TP-102C-4	38	28	11.2	(8)	10	✓
MTP201	TP-202L-4	58	25	9	(7)	10	-
MTP401	TP-312C-1	80	48	12	(25)	10	✓
	TP-401L-4	80	40	9	(20)	10	-
STP211	TP-211C-1	58	48	12	(25)	10	✓
	TP-211C-3	58	48	12	(25)	10	✓
STP312	TP-312C-1	80	48	12	(25)	10	✓
STP411	TP-451C-1	112	48	12	(25)	10	✓

Thermal Printer

Product Catalog 2021

Anytime, Anywhere!!

SII Thermal Printer

https://www.sii-ps.com

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