"PRT"®
Products Selection Guide

Direct thermal printing mechanism with cutter

Series Model	PT486F08401	PT486F24401	PT54E	PT723F08401	PT723F24401	PT725E	PT801S401	PT72A	PT72CE	PT72DE	PT72E	PT72G
Product Photo												
PRINTING CHARACTERISTICS												
Print Method	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal
Resolution	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm
Max. Printing Width	48mm	54mm	54mm	72mm	72mm	80mm	80mm	72mm	80mm	80mm	72mm	72mm
Number of Dots	384	432	432	576	576	640	640	576	640	640	576	576
Paper Width	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	79.5±0.5mm	82.5±0.5mm	82.5±0.5mm	82.5±0.5mm	82.5±0.5mm	82.5±0.5mm	79.5±0.5mm	79.5±0.5mm
Max. Printing Speed	70mm/s	120mm/s	200mm/s	70mm/s	120mm/s	150mm/s	300mm/s	220mm/s	250mm/s	250mm/s	200mm/s	250mm/s
Paper Path	Curved	Curved	Curved	Curved	Curved	Curved or Straight	Straight	Curved	Curved or Straight	Curved or Straight	Curved	Curved
DETECTION												
Head Temperature	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor
Paper Out	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor
Platen Open	By mechanism SW	By mechanism SW	By mechanism SW	By mechanism SW	By mechanism SW	By mechanism SW	By mechanism SW	By hoto sensor	By mechanism SW	By mechanism SW	By mechanism SW	By mechanism SW
Cutter Home Positon	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By photo sensor	By mechanism SW	By mechanism SW	By hoto sensor	By photo sensor	By photo sensor	By photo sensor	By mechanism SW
Black Mark	NA	NA	NA	NA	NA	By photo sensor	NA	NA	NA	NA	NA	NA
POWER SUPPLY												
TPH Logic Voltage	3.0V-5.5V	3.0V-5.5V	3.0V-5.5V	3.0V-5.5V	3.0V-5.5V	3.0V-5.25V	4.75V-5.5V	2.7V-5.5V	3.0V-5.25V	3.0V-5.25V	3.0V-5.5V	2.7V-5.5V
Drive Voltage	4.2V - 8.5V	24V ± 10%	24V±10%	4.2V - 8.5V	24V ± 10%	24V ± 10%	24V ± 10%	24V ± 10%	24V ± 10%	24V ± 10%	24V±10%	24V± 10%
PEAK CURRENT												
Head(Max.)	2.4A(7.2V/64dots)	2.2A(24V/144dots)	5.23A(26.4V/288dots)	2.4A(7.2V/64dots)	2.2A(24V/144dots)	6.7A(26.4V/160dots)	5.4A(26.4V/128dots)	5.6A(26.4V/144dots)	6.7A(26.4V/160dots)	6.7A(26.4V/160dots)	5.23A(26.4V/288dots)	16.7A(26.4V/384dots)
Paper Feeding Motor	1.0A	1.0A	220mA	1.0A	1.0A	480mA	460mA	Max. 1.2A	Max. 750mA	Max. 750mA	220mA	1.0A
Cutter Motor	1.0A	1.0A	320mA	1.0A	1.0A	Max. 900mA	Max. 1.2A	Max. 1.1A	Max. 1.6A	Max. 1.6A	320mA	Max. 1.3A
AUTO CUTTER												
Method	Slide type	Slide type	Slide type	Slide type	Slide type	Scissor Type	Slide type	Slide type	Scissor Type	Scissor Type	Slide type	Slide type
Paper Thickness	60um-85um	60um-85um	54um-91um	60um-85um	60um-85um	56um-150um	60um-85um	50um-90um	56um-150um	56um-150um	54um-91um	60um-80um
Cutting Type	Full/Partial cut	Full/Partial cut	Full/Partial cut	Full/Partial cut	Full/Partial cut	Full or Partial cut	Full/Partial cut	Full/Partial cut	Full or Partial cut	Full or Partial cut	Full/Partial cut	Partial cut
Operating Time (Max.)	Approx. 0.5s	Approx. 0.5s	Approx. 0.5s	Approx. 0.5s	Approx. 0.5s	Approx. 0.4s	Approx. 0.5s	Approx. 0.4s	Approx. 0.4s	Approx. 0.4s	Approx. 0.5s	Approx. 0.4s
Cutting Pitch (Min)	20mm	20mm	20mm	20mm	20mm	20mm	20mm	10mm	20mm	20mm	10mm	10mm
Cut Frequency (Max.)	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.	30cuts/min.
RELIABILITY												
Pulse Activation	100 million	100 million	100 million	100 million	100 million	100 million	100 million	200 million	100 million	100 million	100 million	150 million
Abrasion Resistance	50KM	100KM	100KM	50KM	100KM	200KM	100KM	200KM	200KM	200KM	100KM	150KM
Paper Cutting	500，000 cuts	500，000 cuts	1,000,000 cuts	500，000 cuts	500，000 cuts	1,500,000 cuts	1,000,000 cuts	2,000,000 cuts	1,000,000 cuts	1,000,000 cuts	1,000,000 cuts	2,000,000 cuts
ENVIRONMENTAL												
Operating Temperature	0 - 50℃	0 - 50℃	-10 - 50℃	0 - 50℃	0 - 50℃	0 - 50℃	0 - 50℃	-15 - 50℃	0 - 50℃	0 - 50℃	-10-50℃	0 - 50℃
PHYSICAL CHARACTERISTICS												
Dimensions(W*D*H)	81.2*42.2*21.8mm	81.2*42.2*21.8mm	83.1*43.9*27.4mm	102*42.6*21.9mm	102.5*42.4*22.3mm	126.75*91.9*56.4mm	116.7*66.25*44.8mm	110*61*55.9mm	126.75*91.9*56.4mm	126.75*91.9*56.4mm	105.1*43.9*27.4mm	127.6*B3.0*55.95mm
Mass	97g	97g	131g	117g	116g	503g	225g	300g	503g	503g	154g	399.4g

Kiosk Printer Module

Series Model	MPT725
Product Photo	
PRINTING CHARACTERISTICS	
Print Method	Direct line thermal
Resolution	8 dots/mm
Max. Printing Width	80mm
Max. Printing Speed	150mm/s
MEDIA	
Media Type	Receipt Paper
Paper Width	76mm/80mm/83mm
Paper Roll Inner Diameter	10mm
Paper Roll Outside Diameter	170 mm
Thickness	56mm ~ 150mm
Loading	Automatic
Paper Cutting	Automatic
DETECTION	
Head Temperature	By thermistor
Platen Open	By mechanical SW
Paper Out	By photo sensor
Paper Near End Detection	By photo sensor
Receipt Presence	By photo sensor
Paper Jam	By photo sensor
Cutter Home Position	By Mechanical SW
POWER SUPPLY	
Drive Voltage	24V±10%,2A
FONTS	
Alphanumeric	ASCII 8*16,12*24
Code Page	Font A, 45 ; Font B, 16
BARCODE	
1D	UPC-A,UPC-E, EAN(JAN)18,EAN(JAN)13,CODE39,IT-F,CODEBAR,CODE128,CODE93
2D	QR Code
COMMAND	
Program Language	ESC/POS
SOFTWARE	
Driver	"Windows 2000, XP,Vista, 7, 8, 10. server 2008, 2012 CUPS for Linux,MAC"
RELIABILITY	
Abrasion Resistance	150KM
Cutter	1,500,000 cuts
ENVIRONMENTAL	
Operating Condition	-10℃~50℃，10% ~95%RH
Storage Condition	-40℃~50℃，5% ~95%RH
PHYSICAL CHARACTERISTICS	
Dimensions(W*D*H)	233.5*150*150 mm
Mass	1482g

Panel Mount Module

Series Model	Product Photo	Print Method	Resolution	Max. Printing Width	Max. Printing Speed	Media Type	Paper Width	Paper Roll Inner Diameter	Paper Roll Outside Diameter	Thickness	Paper Cutting	Head Temperature	Paper Out	Drive Voltage	Alphanumeric	Code Page	1D	2D	Program Language	Driver	Abrasion Resistance	Operating Condition	Storage Condition	Dimensions(W*D*H)
		PRINTING CHARACTERISTICS				**MEDIA**						**DETECTION**		**POWER SUPPLY**	**FONTS**		**BARCODE**		**COMMAND**	**SOFTWARE**	**RELIABILITY**	**ENVIRONMENTAL**		**PHYSICAL CHARACTERISTIC**
PM251		Direct line thermal	8 dots/mm	48mm	80mm/s	Receipt Paper	58mm	10mm	50 mm	55mm ~ 85mm	Manual tear bar	By thermistor	By photo sensor	8.5V±10%,2A	ASCII 8*16, 12*24	Font A, 45 ; Font B, 16	UPC-A,UPC-E, EAN(JAN)18, EAN(JAN)13, CODE39,ITF, CODEBAR, CODE128, CODE93	QR Code	ESC/POS	Windows 2000, XP,Vista, 7, 8, 10. server 2008, 2012 CUPS for Linux,MAC	50KM	-10℃~50℃, 10% ~95%RH	-40℃~50℃, 5% ~95%RH	89*89* 55mm