1 & 1.5 inch Direct Thermal Printing Mechanism

2 inch Direct Thermal Printing Mechanism

Series Model									
Product Photo									
PRINTING CHARACTERISTICS									
Print Method	Direct line thermal	Direct line thermal							
Resolution	8 dots/mm	8 dots/mm							
Max. Printing Width	24mm	36mm							
Number of Dots	192	288							
Paper Width	32.5±0.5mm	45.5±0.5mm							
Max. Printing Speed	80mm/s	80mm/s							
Paper Path	Curved	Curved							
DETECTION									
Head Temperature	By thermistor	By thermistor							
Paper Out	By photo sensor	By photo sensor							
Black Mark	By photo sensor	By photo sensor							
Platen Open	NA	NA							
POWER SUPPLY									
TPH Logic Voltage	2.7V-5.5V	2.7V-5.5V							
Drive Voltage	4.2V - 8.5V	4.2V - 8.5V							
PEAK CURRENT									
Head(Max.)	4.0A(8.5V/64dots)	4.0A(8.5V/64dots)							
Motor	Max. 420mA	Max. 420mA							
RELIABILITY									
Pulse Activation	100 million	100 million							
Abrasion Resistance	50KM	50KM							
ENVIRONMENTAL									
Operating Temperature	0 - 50°C	0-50℃							
PHYSICAL CHARACTERISTICS									
Dimensions(W*D*H)	45.2*32.7*15.1 mm	57.55*32.70*15.10mm							
Mass	32g	36g							

Series Model	PT481	PT483	PT485		PT486	PT487	PT488		PT489	PT48A	PT48B	PT48C	PT48D		PT48E	PT48F	PT48G	PT541	PT542
Product Photo			PT485A-B	PT485A-H			PT488A-8	PT488A-H					Standard Model	Ultra Low Voltage					
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									
Resolution	8 dots/mm	8 dots/mm	8 dots/mm	8dots/mm	8dots/mm	8 dots/mm													
Max. Printing Width	48mm	48mm	48mm	48mm	48mm	48mm	48mm	48mm	54mm	54mm									
Number of Dots	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	432	432
Paper Width	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm	57.5±0.5mm									
Max. Printing Speed	70mm/s	80mm/s	80mm/s	70mm/s	70mm/s	70mm/s	90mm/s	70mm/s	75mm/s	90mm/s	90mm/s	80mm/s	100mm/s	70mm/s	90mm/s	90mm/s	100mm/s	75mm/s	200mm/s
Paper Path	Curved/Straight	Curved	Straight	Curved	Curved	Curved	Curved	Curved	Curved/Straight	Straight	Straight	Curved/Straight	Curved/Straight						
DETECTION																			
Head Temperature	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									
Platen Open	By photo sensor	NA	NA	NA	Optional	Optional	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	By Mechanical SW	By Mechanical SW
POWER SUPPLY																			
TPH Logic Voltage	2.7V-5.5V	3.0V-5.5V	2.7V-5.5V	2.7V-5.5V	2.7V-5.5V	3.0V-5.5V	3.0V-5.5V	3.0V-5.5V	3.0V-5.5V	2.7V-5.5V	3.0V-5.25V	3.0V-5.25V							
Drive Voltage	4.2V - 8.5V	4.2V - 8.5V	4.2V - 9.5V	3.3V - 8.5V	4.2V - 9.5V	4.2V - 9.5V	4.2V - 9.5V	3.3V - 8.5V	4.2V-9.5V	4.2V - 9.5V	4.2V - 9.5V	4.2V - 9.5V	4.2V-9.5V	3.3V-5.5V	4.2V-9.5V	4.2V-9.5V	4.2V-9.5V	24V±10%	24V±10%
PEAK CURRENT																			
Head(Max.)	3.56A(9.5V/64dots)	3.56A(9.5V/64dots)	3.56A(9.5V/64dots)	3.86 A(7.2V/64dots	2.4A(7.2V/64dots)	2.4A(7.2V/64dots)	3.56A(9.5V/64dots	3.86 A(7.2V/64dots)			2.3A(7.2V/64dots)	4.0A(8.5V/64dots)	2.64A(9.5V/45dots)	3.14A(4.2V/45dots)	2.4A(7.2V/64dots)	3.14A(4.2V/64dots)	2.3A(7.2V/64dots)	1.58A(24V/96dots)	2.9A(24V/96dots)
Motor	340mA	500mA	500mA	500mA	Max.1.0A	Max.1.0A	500mA	500mA	600mA	600mA	Max.1.0A	500mA	600mA	340mA	340mA	340mA	Max. 1.0A	360mA	500mA
RELIABILITY																			
Pulse Activation	100 million	100 million	100 million	100 million	100 million	100 million	100 million	100 million	100 million	100 million									
Abrasion Resistance	50KM	50KM	50KM	50KM	50KM	50KM	50KM	50KM	100KM	50KM									
ENVIRONMENTAL																			
Operating Temperature	0 - 50°C	0 - 50°C	0 - 50 °C	0 - 50°C	0 - 50℃	0 - 50°C	0 - 50°C	0 - 50°C	-10-50°C	0 - 50°C	0 - 50°C	0 - 50 °C	-10-50°C	-10-50°C	-5-50°C	-10-50°C	0 - 50°C	0 - 50°C	0 - 50 °C
PHYSICAL CHARACTERISTICS																			
Dimensions (W*D*H)	81.95*39.50*16.00mm		67.4*32.3*30.8mm	67.4*32.3*30.8mm	69.7*32.7*15.5mm	67.3*31.5*18.5mm	68.0*24.4*25.6mm	68.0*24.4*25.6mm	68.5*31.0*22.0mm	69.2*28.3*31.7m(exclude			67.3*18.25*31.9mm	67.3*18.25*31.9mm	82.3*40.5*20.0mm	68.5*36.5*22.0mm	69.3*46.0*19.0mm	90.8*54.5*20.0mm	82.3*40.5*20.0mm
Mass	45g	147g	40g	40g	45g	40g	30g	30g	38g	level of lock arm) 42g	43g	43g	28g	28g	98.2g	42.9g	31g	107g	110g

3 & 4 inch Direct Thermal Printing Mechanism without Cutter

Series Model	PT721	PT723	PT726	PT727	PT801	PT1041	PT1042	PT1043P
Product Photo								
PRINTING CHARACTERISTICS Print Method Resolution Max. Printing Width Number of Dots Paper Width Max. Printing Speed Paper Path	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal	Direct line thermal
	8 dots/mm	8 dats/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm
	72mm	72mm	72mm	72mm	72mm	104mm	104mm	104mm
	576	576	576	576	576	832	832	832
	79.5±0.5mm	79.5±0.5mm	79.5±0.5mm	79.5±0.5mm	79.5±0.5mm	111.5±0.5mm	111.5±0.5mm	113.5±0.5mm
	85mm/s	80mm/s	200mm/s	70mm/s	220mm/s	85mm/s	75mm/s	70mm/s
	Curved	Curved	Curved	Curved	Curved	Curved	Curved	Straight
DETECTION Head Temperature Paper Out Platen Open	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor	By thermistor
	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 mechanical SW	Optional	By mechanical SW	NA	By mechanical SW	By mechanical SW	By mechanical SW	NA
POWER SUPPLY TPH Logic Voltage Drive Voltage	4.5V-5.5V	2.7V-5.5V	3.0V-5.5V	2.7V-5.5V	3.0V-5.5V	4.5V-5.5V	3.0V-5.5V	2.7V-5.5V
	4.2V - 8.5V	4.2V - 8.5V	24V ± 10%	3.3V - 8.5V	24V ±10%	4.2V - 8.5V	24V±10%	Motor: 12V 4.2V - 8.5V
PEAK CURRENT Head(Max.) Motor	3.33A(8.5V/64dots) 1.0 A	2.4A(7.2V/64dots) 1.0 A	4.0A(24V/144dots) 1.0mA	3.86 A(7.2V/64dots) 500mA	3.3A(24V/144dots) 300mA	3.33A(8.5V/64dots) 1.0 A	2.4A(7.2V/64dots) 500mA	3.39A(7.2V/64dots) 350mA
RELIABILITY Pulse Activation Abrasion Resistance	100 million	100 million	100 million	100 million	100 million	100 million	100 million	100 million
	50KM	50KM	100KM	50KM	100KM	50KM	100KM	50KM
ENVIRONMENTAL Operating Temperature PHYSICAL CHARACTERISTICS	0 - 50°C	0 - 50°C	0 - 50 °C	0 - 50°C	0 - 50 °C	0 - 50 °C	0 - 50 °C	0-50℃
Dimensions(W*D*H) Mass	93.0*34.5*39.50mm	91.7*32.7*15.5mm	104.3*40.5*20.3mm	104.3*40.5*20.3mm	102*54.0*25.8mm	125.0*34.5*39.5 mm	138.2*61.4*27mm	143.6*31.4*18.5mm
	91g	52g	125g	116.7g	175g	115g	160g	45g

6 & 8 inch Direct Thermal Printing Mechanism

Resolution 8 dots/mm 144mm 144mm 216mm 21 domn 21 domn 21 domn 152 1152 1152 1152 1152 1152 1152 1152 1152 1152 128 domn 120mm-216mm 21 domn 22 domn 22 domn 22 domn 23 domn 23 domn 23 domn 23 domn 23 domn 24 domn 2	
Print Method Direct line thermal Direct line Direct	
Resolution 8 dots/mm 21 mm 21 mm 21 mm 21 mm 21 mm 21 mm 22 mm 11 mm 11 mm 11 mm 21 mm 22 mm 11 mm 12 mm 22 mm 12 mm 22 mm 12 mm 22 mm <td< td=""><td></td></td<>	
Max. Printing Width 144mm 144mm 216mm 2 Number of Dots 1152 1152 1152 1152 128 12 Poper Width 149.5±0.5mm 149.5±0.5mm 150mm - 156mm 210mm-216mm 21 Max. Printing Speed 90mm/s 90mm/s 50mm/s	irect line thermal
Number of Dots 1152 1152 1728 172 Paper Width 149.5±0.5mm 149.5±0.5mm 150mm - 156mm 210mm-216mm 21 Max. Prinfing Speed 90mm/s 90mm/s 50mm/s 50mm/s 50mm/s 50 Paper Path Curved Curved Curved Curved Curved Curved Curved Curved Curved Paper Data 50	dots/mm
Paper Width 149.5±0.5mm 149.5±0.5mm 150mm - 156mm 210mm-216mm 2 Max. Printing Speed 90mm/s 90mm/s 50mm/s 5	l ómm
Max Printing Speed 90mm/s 90mm/s 50mm/s 50mm/s 55 Paper Path Curved Curved Curved Curved C DETECTION By thermistor By thermistor By thermistor By thermistor By thermistor By thermistor By photo sensor	728
Paper Path Curved Curved Curved C DETECTION By thermistor By thermistor By thermistor By thermistor By thermistor By thermistor By photo sensor	10mm~216mm
Paper Path Curved Curved Curved C DETECTION By thermistor By thermistor By thermistor By thermistor By thermistor By thermistor By photo sensor	Omm/s
Head Temperature By thermistor By thermistor By thermistor By thermistor By thermistor By photo sensor	urved
Paper Out By photo sensor By photo sensor By photo sensor By photo sensor By	
Paper Out By photo sensor By photo sensor By photo sensor By photo sensor By	v thermistor
	y photo sensor
	v mechanical SW
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	0V-5.5V
The second secon	4V ±10%
PEAK CURRENT	
Head(Max.) 2.64A(12V/64dots) 2.64A(12V/64dots) 8.0A(24V/480dots) 8.	0A(24V/480dots)
	00mA
RELIABILITY	
Pulse Activation 100 million 100 million 100 million 100 million 100 million	00 million
Abrasion Resistance 50KM 50KM 50KM 50KM 55KM 55KM	DKM
ENVIRONMENTAL	
Operating Temperature	
PHYSICAL CHARACTERISTICS	-50°C
Dimensions(W*D*H) 180.7*53.8*40.8mm 180.7*53.8*40.8mm 198.5*55.89*38mm 264.5*55.9*37.3mm 26	- 50 °C

Label Printer Module

Series Model	PT561	PT562	PT802
Product Photo	III pu		
PRINTING CHARACTERISTICS			
Print Method	Direct line thermal	Direct line thermal	Direct line thermal
Resolution	8 dots/mm	8 dots/mm	8 dots/mm
Max. Printing Width	56mm	56mm	72mm
Number of Dots	448	448	576
Max. Printing Speed	Max. 100 mm/s	Max. 150 mm/s	Max. 120 mm/s
MEDIA			
Media Type	Label/Receipt Paper	Label/Receipt Paper	Label/Receipt Paper
Paper Width	Max. 62mm	Max. 63mm	Max. 84 mm
Paper Roll Inner Diameter	25.5mm or 38.1mm or 40.0mm	12.5mm or 40.5mm	12.5mm or 40.5mm
Paper Roll Outside Diameter	120 mm	120 mm	120 mm
Media Total Thickness	Max. 150um	Max. 150um	Max. 150um
DETECTION			
Head Temperature	By thermistor	By thermistor	By thermistor
Paper Out	By photo sensor	By photo sensor	By photo sensor
Platen Open	NA	By mechanical SW	By mechanical SW
Paper Taken	Optional	NA	NA
POWER SUPPLY			
TPH Logic Voltage	3.0V - 5.5V	3.0V - 5.5V	3.0V-5.5V
Drive Voltage	24V±10%	24V±10%	24V±10%
PEAK CURRENT			
Head(Max.)	2.64A(12V/64dots)	3.39A(24V/96dots)	3.39A(24V/96dots)
Motor	500mA	750mA	750mA
RELIABILITY			
Pulse Activation	100 million	100 million	100 million
Abrasion Resistance	100KM	100KM	100KM
ENVIRONMENTAL	0.1073	0.50%	0. 50%
Operating Temperature	0 - 40 °C	0 - 50℃	0 - 50°C
PHYSICAL CHARACTERISTICS	000 #110 007 0	00001 100100 4	000 081 4081 45
Dimensions (W*D*H)	238.4*118.2*97.2 mm	280*140*129.4mm	292.8*140*145mm
Mass	440g	522g	1629g