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PRODUCTS GUIDE

Vertrieb Deutschland/ Österreich durch:

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Mobile Printer

Focusing on the mobile market, 'Mobile Pro Spectrum Series' and 'Mobile Pro Advance' have been developed and they are ideal for customers who need mobile receipt printing. These excellent mobile printers connect with your PDA, mobile phone and laptop via Bluetooth, IrDA and the Serial cable optionally. With self contained Magnetic Card Reader, it can read credit cards and driver's licenses. (*IC card reader is available on Mobile Pro Advance)



Specifications

	Mobile Pro ADVANCE	Mobile Pro SPECTRUM I	Mobile Pro SPECTRUM II
Print	Printing method	Horizontal Direct Thermal	Horizontal Direct Thermal
	Resolution	8dots/mm(203dpi)	8dots/mm(203dpi)
	Print speed	40mm/sec(Max.)	40mm/sec(Max.)
	Number of column	16(24x24), 32(12x24), 42(9x17)	16(24x24), 32(12x24), 42(9x17)
Paper	Paper width	58mm	58mm
	Printing width	48mm	48mm
	Paper Diameter	38ø	30ø
	Paper Diameter	38ø	30ø
Optional Interface	Bluetooth,RS-232C,USB	Bluetooth,IrDA,RS-232C,USB,TTL	Bluetooth,IrDA,RS-232C,USB,TTL
Head Life	50km	50km	50km
Card Reader	ISO-I &II, JIS-II, IC CARD(EMV LEVEL 1)	ISO-I &II	ISO-I &II and JIS-II
Power	Rechargeable 7.4V DC 1100mA(Li-Ion)	Rechargeable 7.4V DC 1100mA(Li-Ion)	Rechargeable 7.4V DC 1100mA(Li-Ion)
	built-in	Battery Pack	Battery Pack
Drop Test	1.2meter	1meter	1meter
Driver	Windows driver(VISTA,XP,2000,98)/Linux(CUPS)	Windows driver(VISTA,XP,2000,98)/Linux(CUPS)	Windows driver(VISTA,XP,2000,98)/Linux(CUPS)
Barcode	JAN13,EAN8,UPC Codebar, Code39,CODE128	UPCA, UPCE, JAN8(EAN), CODE39, CODE93	UPCA, UPCE, JAN8(EAN), CODE39, CODE93
	UPA-A	CODE128, ITF, CODABAR	CODE128, ITF, CODABAR
Dimension(mm)(WxLxH)	84x128x48	84x141x36	84x151x36(with JIS card reader)
Weight	265g	271g(with battery pack)	294g(with battery pack)
Application	Mobile payment system, Mobile data-sheet printing		

	Mobile Pro SPECTRUM III	Mobile Pro SENSE	Mobile Pro MATE
Print	Printing method	Horizontal Direct Thermal	Horizontal Direct Thermal
	Resolution	8dots/mm(203dpi)	8dots/mm(203dpi)
	Print speed	40mm/sec(Max.)	40mm/sec(Max.)
	Number of column	16(24x24), 32(12x24), 42(9x17)	16(24x24), 32(12x24), 42(9x17)
Paper	Paper width	58mm	58mm
	Printing width	48mm	48mm
	Paper Diameter	30ø	21ø
	Paper Diameter	30ø	21ø
Optional Interface	Bluetooth,IrDA,RS-232C,USB,TTL	IrDA,RS-232C	IrDA,RS-232C
Head Life	50km	50km	50km
Card Reader	-	-	ISO-I &II
Power	Rechargeable 7.4V DC 1100mA(Li-Ion)	Rechargeable 7.4V DC 1100mA(Li-Ion)	Rechargeable 7.4V DC 1100mA(Li-Ion)
	Battery Pack	built-in	built-in
Drop Test	1meter	1meter	1meter
Driver	Windows driver(VISTA,XP,2000,98)/Linux(CUPS)	Windows driver(VISTA,XP,2000,98)/Linux(CUPS)	Windows driver(VISTA,XP,2000,98)/Linux(CUPS)
Barcode	UPCA, UPCE, JAN8(EAN), CODE39, CODE93	UPCA, UPCE, JAN8(EAN), CODE39, CODE93	UPCA, UPCE, JAN8(EAN), CODE39, CODE93
	CODE128, ITF, CODABAR	CODE128, ITF, CODABAR	CODE128, ITF, CODABAR
Dimension(mm)(WxLxH)	84x135x36	79x116x26	79x127x26
Weight	251g(with battery pack)	196g	210g
Application	Mobile payment system, Mobile data-sheet printing		

POS/Vehicle Printer Ticket/Queuing System Printer

These printers are suitable for Low-End POS system, Vehicle(Taxi), Ticket and Queuing System.

Easy to use, very reliable, Fast print speed, Simple paper loading, Large volume tasks.



Specifications

	Basic	Plus	SRP-III	SRP-IV
Print				
Printing method	Horizontal Direct Thermal	Horizontal Direct Thermal	Horizontal Direct Thermal	Horizontal Direct Thermal
Resolution	8dots/mm(203dpi)	8dots/mm(203dpi)	8dots/mm(203dpi)	8dots/mm(203dpi)
Print speed	35mm/sec(Max.)	35mm/sec(Max.)	40mm/sec(Max.)	100mm/sec(Max.)
Number of column	16(24x24), 32(12x24)	16(24x24), 32(12x24)	42(9x17), 32(12x24)	
Paper				
Paper width	58mm	58mm	58mm	79.5mm
Printing width	48mm	48mm	48mm	72mm
Paper Diameter	48φ	48φ	48φ	55φ
Optional Interface	RS-232C	RS-232C	RS-232C/Parallel	RS-232C,USB(Bluetooth is option)
Head Life	50km	50km	50km	50km
Card Reader	ISO-II(Default:II,I and III Optional)	-	-	-
Power	DC 12V	DC 12V	DC 9V	DC 24V
Driver	Windows driver (VISTA, XP, 2000, 98) / Linux (CUPS)			
Barcode	UPCA, UPCE, JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR			
Dimension(mm)(WxLxH)	115x137x54	100x137x54	136x202x89	138x188x107
Weight	238g	227g	500g	
Application	Receipt printing (in Taxi), Data-sheet printing		Receipt printing, Data-sheet printing	

	SRP-3200
Print Method	3Inch's Direct Thermal : Receipt / 2Inch's Direct Thermal : Label
Interface	3RS-232C, 1RS-45, 1 Rewinder
Font	Korean, English
Barcode	1-D : Code39, Code93, Code128, UPC-A, UPC-E, Codebar, I2of5 2-D : PDF-417
Print Speed	3Inch's Direct Thermal : 100mm/sec / 2Inch's Direct Thermal : 150mm/sec
Printing Density	Upto 300 dpi
Data Buffer	1MB and More
ASB Function	On-line, Paper Jam/Empty
Paper	Receipt : Width : Max. 80mm, Length : 60meter Labels Stickers : Width : Max. 60mm, 1000 Labels(55mm x 25mm)
Character Code	ASCII, KSC5601, KSSM
Cash-Draw I/F	Output Power : DC24V, Serial Port(RJ-45)
Graphic Printing	Programmed Full Graphic (Line, Diagram, Circle) / Bitmap Image
Input Power	AC110-220V, 60Hz(Free Voltage)
Dimension(mm)	317x248x145
Weight	3,542g
Application	Barcode label & Receipt printing

	SRP-V	NSP-2000
Print		
Printing method	Horizontal Direct Thermal	
Resolution	8dots/mm(203dpi)	
Print speed	100mm/sec(Max.)	
Number of column	40(16x24), 53(12x24)	28(16x24), 37(12x24)
Effective Printing width	72mm	56mm
Cutter		
Cutting system	Guillotine style	
Cutter life	300,000 cuts	
Drive voltage	Motor/Head 24V±5% Logic 5V±5% Sensor 5V±5%	
Optional Interface	RS-232C/Parallel	RS-232C
Head Life	50Km	
Head up detector	Mechanical Switch	
Power	AC90V-240V	
Driver	Windows driver (VISTA, XP, 2000, 98) / Linux (CUPS)	
Barcode	UPC, CODE39, CODE128, ITF, CODABAR, PDF-417	
Dimension(mm)(WxLxH)	157x186x152	174x300x260
Weight	3,531g	3,885g
Application	Ticket printing	Queuing system

Thermal Kiosk Printer

Our kiosk printers are widely used for kiosks, ticket terminal, receipt printer, ATMs, and other self-service systems worldwide, and are available in a variety of styles and form factors. And we are meeting the need for kiosk printers in all parts of the world as reliable high speed printing, high resolution and supporting text & graphic printing.



Specifications

	ATP-60+	ATP-80+	ATP-60K	ATP-80K	
Presenter Type	-	-	-	-	
Print	Printing method	Direct thermal	Direct thermal	Direct thermal	
	Resolution	8dots/mm (203dpi)	8dots/mm (203dpi)	8dots/mm (203dpi)	
	Print speed	150mm/sec (Max.)	150mm/sec (Max.)	150mm/sec (Max.)	
	Number of column	18(24x24) 28(16x24)37(12x24)49(9x17)	24(24x24) 36(16x24)48(12x24) 64(9x17)	18(24x24) 28(16x24)37(12x24) 49(9x17)	24(24x24) 36 (16x24)48(12x24) 64(9x17)
	Barcode	1D : code39,code93,code128,UPC-E,Codabar, I2 of 5 / 2D : PDF 417 , QR3			
Head up Detector	Mechanical Switch	Mechanical Switch	Mechanical Switch	Mechanical Switch	
Operating voltage	Motor/head : 24V±5% Logic : 5V±5% Sensor : 5V±5%				
Paper	Paper width	59.0±0.5mm	79.0±0.5mm	59.0±0.5mm	
	Effective Printing width	56mm(448 dots)	72mm(576 dots)	56mm(448 dots)	
	Paper feeding method	Friction feeding	Friction feeding	Friction feeding	
	Paper capacity	-	-	83ø	
Optional Interface	Serial (RS-232C) / USB / Parallel	Serial (RS-232C) / USB / Parallel	Serial (RS-232C) / USB / Parallel	Serial (RS-232C) / USB / Parallel	
Reliability	Head Life	50km	50km	50km	
	Cutter	1,000,000 Cuts	1,000,000 Cuts	1,000,000 Cuts	
Auto Cutter	Type	Guillotine (Partial cutting or Full cutting)			
	Cutting width	63mm	86mm	63mm	
Driver	Windows driver (VISTA, XP, 2000, 98) / Linux (CUPS)				
Dimension(mm)(WxLxH)	110x97x98	130x97x98	132x209x98	142x209x98	
Weight	Approx. 430g	Approx. 600g	Approx. 1,200g	Approx. 1,400g	
Option	Controller (RS-232C/USB/Parallel), AC Power Supply	AC Power Supply	AC Power Supply	AC Power Supply	
Application	Ticket printing, Information KIOSK, ATM, Lottery machine, Analyzer				

	ATP-80KCP	ATP-80KCL1	ATP-80KCL2	ATP-80CL	ATP-80HS
Presenter Type	Basic Presenter	Loop type presenter	Loop type presenter	Loop type presenter	-
Print	Direct thermal	Direct thermal	Direct thermal	Direct thermal	Direct thermal
	8dots/mm (203dpi)	8dots/mm (203dpi)	8dots/mm (203dpi)	8dots/mm (203dpi)	8dots/mm (203dpi)
	150mm/sec (Max.)	150mm/sec (Max.)	150mm/sec (Max.)	150mm/sec (Max.)	150mm/sec (Max.)
	24(24x24) 36 (16x24)48(12x24) 64(9x17)	24(24x24) 36 (16x24)48(12x24) 64(9x17)	24(24x24) 36 (16x24)48(12x24) 64(9x17)	24(24x24) 36(16x24)	24(24x24) 36(16x24)
	1D : code39,code93,code128,UPC-E,Codabar, I2 of 5 / 2D : PDF 417 , QR3				
Head up Detector	Mechanical Switch	Mechanical Switch	Mechanical Switch	Mechanical Switch	Mechanical Switch
Operating voltage	Motor/head : 24V±5% Logic : 5V±5% Sensor : 5V±5%				
Paper	Paper width	79.0±0.5mm	79.0±0.5mm	79.0±0.5mm	79.0±0.5mm
	Effective Printing width	72mm(576 dots)	72mm(576 dots)	72mm(576 dots)	72mm(576 dots)
	Paper feeding method	Friction feeding	Friction feeding	Friction feeding	Friction feeding
	Paper capacity	150ø	150ø	250ø	-
Optional Interface	Serial (RS-232C) / USB / Parallel	Serial(RS-232C)/USB Parallel	Serial(RS-232C)/USB/Parallel	Serial(RS-232C)/USB/Parallel	Serial(RS-232C)/USB/Parallel
Reliability	Head Life	50km	50km	50km	50km
	Cutter	1,000,000 Cuts	1,000,000 Cuts	1,000,000 Cuts	1,000,000 Cuts
Auto Cutter	Type	Guillotine (Partial cutting or Full cutting)			
	Cutting width	86mm	86mm	86mm	86mm
Driver	Windows driver (VISTA, XP, 2000, 98) / Linux (CUPS)				
Dimension(mm)(WxLxH)	143x396x116	143x353x151	143x415x165	129.3x142.4x226	139.8x192x101
Weight	Approx. 1,400g	Approx. 2,600g	Approx. 3,300g	Approx. 1,600g	Approx. 1,260g
Option	AC Power Supply				
Application	Ticket printing, Information KIOSK, ATM, Lottery machine, Analyzer				

Thermal Mechanism

'ATP-48 Series' is compact and light weight. They are suitable for portable terminal.

'ATP-60/81/82/83' are designed to meet the need for compact and smart POS terminal. They have high performance for multiple applications



Specifications

		ATP-48S	ATP-48SLN	ATP-48H
Print	Printing method	Horizontal Direct Thermal	Horizontal Direct Thermal	Horizontal Direct Thermal
	Resolution	8dots/mm(203dpi)	8dots/mm(203dpi)	8dots/mm(203dpi)
	Print speed	35mm/sec(Max.)	35mm/sec(Max.)	35mm/sec(Max.)
	Number of column	16(24x24)32(12x24)	16(24x24)32(12x24)	16(24x24)32(12x24)
Paper	Paper width	58mm	58mm	58mm
	Printing width	48mm	48mm	48mm
	Paper feeding method	Friction feeding	Friction feeding	Friction feeding
Reliability	Head Life	50km	50km	50km
	Cutter	-	-	-
Auto Cutter	Type	-	-	-
	Cutting width	-	-	-
Drive voltage	Head 7.2v±5% or 5.0v±5%(option), Motor 5v±5%, Logic 5v±5%, Sensor 5v±5%			
Head up Detector	-	-	-	-
Self-lock	x	o	o	o
Driver	Windows driver (VISTA, XP, 2000, 98) / Linux (CUPS)			
Dimension(mm)(WxLxH)	37.5x68.5x18	37.5x68.5x18	19.5x69.3x31.6	
Weight	Approx. 28g	Approx. 28g	Approx. 28g	
Option	Controller(RS232C/Parallel), Paper box			
Application	PDA printer, Electronic cash register, EFT-POS terminal, Medical equipment			

		ATP-81	ATP-82	ATP-60	ATP-83
Print	Printing method	Horizontal Direct Thermal	Horizontal Direct Thermal	Horizontal Direct Thermal	Horizontal Direct Thermal
	Resolution	8dots/mm(203dpi)	8dots/mm(203dpi)	8dots/mm(203dpi)	12dots/mm (300dpi)
	Print speed	40mm/sec(Max.)	150mm/sec(Max.)	100mm/sec(Max.)	200mm/sec(Max.)
	Number of column	24(24x24)36(16x24)48(12x24)64(9x17)	24(24x24)36(16x24)48(12x24)64(9x17)	28(16x24)37(12x24)	30(32x32)40(24x24)80(12x24)
Paper	Paper width	79.5mm	79.5mm	59mm	82.0 ± 0.5mm
	Printing width	72mm	72mm	56mm	80mm(960 dots)
	Paper feeding method	Friction feeding	Friction feeding	Friction feeding	Friction feeding
Reliability	Head Life	50km	50km	50km	50km
	Cutter	-	300,000 Cuts	300,000 Cuts	1,000,000 Cuts
Auto Cutter	Type	-	Gullotine (Partial cutting or Full cutting)		Gullotine (Partial cutting or Full cutting)
	Cutting width	-	85mm	63mm	86mm
Drive voltage	Head 7.2v±5% or 24.0v±5%(option) Motor24v±5%, Logic 5v±5%, Sensor 5v±5%	Head 7.2v±5% or 5.0v±5%(option) Motor24v±5%, Logic 5v±5%, Sensor 5v±5%	Head/Motor 24v±5% Logic 5v±5% Sensor 5v±5%	Head/Motor 24v±5% Logic 5v±5% Sensor 5v±5%	
Head up Detector	-	-	Mechanical Switch	Mechanical Switch	
Self-lock	-	-	-	-	
Driver	Windows driver (VISTA,XP, 2000, 98) / Linux (CUPS)				
Dimension(mm)(WxLxH)	44x101x31	63x113x44.5	122x56x74	132x79x82	
Weight	Approx. 141g	Approx. 311g	Approx. 430g	Approx. 430g	
Option	Controller (RS-232C/USB/Parallel), AC Power Supply				
Application	Ticket printing, Information KIOSK, ATM, Lottery machine, Analyzer				



DOT Mechanism

'ADP-300 Series' is designed to offer an outstanding performance for credit card authorization terminal.
 'DPM-1000' has strong 9pin print head and this is suitable for standard 9pin printing applications.
 'ADH-915 Series' is dot matrix impact printhead and provides an outstanding performance with and without a heatsink.



Specifications

		ADP-300	ADP-301	ADP-350
Print	Printing method	9pin serial impact dot matrix type		
	Resolution	200dpi		
	Print speed	6line/sec	6line/sec	4-6line/sec
	Printing direction	Bi-direction		
	Number of column	40		
	Printing Width	51mm	51mm	63.4 mm
Paper	Media	Fanfold		
	Width	76mm(3")	76mm(3")	89mm(3.5")
	Thickness	.3copy(0.18mm at Max.)		
	Feeding	Performed by step motor		
Reliability	5 million lines(except for head life)			
Head life	Approx. 200 million dots/wire			
Voltage	Mechanism 24v / Logic 5v			
Font size	7x9(3.1x1.36)			
Operating Temperature	0 to 60°C			
Dimension(mm)(WxLxH)	118x109x42	118x113x42	132x110x42	
Weight	399g	396g	467g	
Application	Credit card authorization terminal			

		DPM-1000
Number of print wires	9 pin	
Platen gap(Single ply form)	0.4±0.05mm	
Platen radius	20mm (Minimum)	
Maximum frequency	1,500Hz	
Average impact force	8.0Nt at 0.4mm	
Forms capability	Original +2 copies	
Print head life	200 million dots	
Ribbon	Dot Matrix Type(5% solid contents, Nylon fabric)	
Drive voltage	24V	
Operating Temperature	0-50°C	
Number of copies	-20-80°C	
Operating Humidity	5%-90% Non-condensing	
Storage Humidity	5%-95% Non-condensing	
Dimension(mm)	58(W)x86(L)x45(H)	
Weight	99g	
Option	Controller	
Application	Parking & Subway ticket, Analyzer	

		ADH-915C	ADH-915
Maximum needle frequency	1.500Hz		
Number of copies	1+3		
Life expectancy	200 million		
Driver type	Constant voltage		
Voltage range	24v DC±5%		
Current limit(peak)	1.4 A		
Max. coil temp.	155°C		
Number of print wires	9 inline		
Print wire diameter	0.3mm(0.12")		
Vertical pitch	0.35mm(0.14")		
Heatsink	Not standard		
Connector type	PCB		Flex circuit
Dimension(mm)	28(W)x37(L)x41(H)		28(W)x37(L)
Weight	Approx. 36g		Approx. 32g