ABLE Systems Limited

for all your mini-printer needs
www.able-systems.com

Ap1310 Thermal Portable Printer – with 38m long paper roll & label or Bluetooth options

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INVESTOR IN PEOPLE

Compact and stylish

- Unique SINGLE-handed easy paper-load system – no other printer is easier!
- Utilising a high speed and high quality fixed head thermal mechanism with superb quality text.
- Capable of printing on linerless labels.
- Choice of interface solutions including Serial RS232, _full implementa_tion IrDA and Bluetooth.
- Strong case design that won't stress the lid hinge.
- Miniature size - yet takes up to 38m long paper roll.
- Choice of battery management within one printer (re-chargeable within the unit or use primary cells). In-vehicle solutions and mains supply also available.

Design registered.

Typical Applications include:
Mobile ticketing and recording. Use with PDA's. Labelling. Queue busting. Utility billing. In-vehicle receipting. Financial transactions. Taxi receipt printing. Law enforcement agencies. Test and measurement. Medical. Hospitality.

Ap1310 Thermal Portable Printer – with 38m long paper roll & label or Bluetooth options

Specification	Ap1310	Ap1310-IR	Ap1310-BT
Data Input	RS-232 Serial (RJ12 connector)	RS-232 Serial (RJ12 connector)	RS-232 Serial (RJ12 connector)
Wireless Data Input	N/A	IrDA (IrPHY V1.0, IrLAP, IrLMP, IAS, TinyTP, IrCOMM 9-wire)	Bluetooth
Print Method	Fujitsu fixed head thermal mechanism		
Print Speed	60 mm/s (at 7.2V battery voltage); 50mm/s (typical)		
Paper Specification	Paper Roll Width: 57.5 ± 0.5mm. Max roll diameter: 55mm (Length: 37.7m @ 60um thickness) Accepts paper rolls with or without a core		
Print Width	48 mm		
Dots per line (graphics)	384		
Dot spacing	8 dots/mm (vertical and horizontal)		
Sensors	Paper Out (Opto reflective) and Head Up (Mechanical)		
Data Buffer	20 Kb		
Baud Rate	Up to 57,600 (9600 Default)		
Character Set	IBM® 224 character set, CP437. (See note 1)		
Number of columns	12, 16, 21, 24, 42, 32 (Default). (See note 1)		
Font (dots)	7 x 24, 10 x 24 (Default). (See note 1)		
Dimensions	65 x 95 x 128 mm (H x W x L)		
Weight	446g (including battery and full roll of paper)		
Power Supply Options	As standard the Ap1310 range is supplied with a shrink-wrapped re-chargeable battery pack (5 cell 6V NiMH), together with an adapter to allow the use of primary cells. Note that chargers and data or power cables need to be ordered separately (see below) or as part of a complete kit. Power supply options include: • BC1300: Universal i/p trickle charger • BC1300FC: Universal i/p combined fast charger and 12V vehicle charger		
Other options	• Ap1300BR-01: Combined wall mounting bracket and belt clip • Ap1300-D9: D9 to RJ12 data cable (with jack socket for alternative charging) • Ap1300BP-01: Spare NiMH battery pack		
Windows® Driver	Win98, WinME, WinNT, Win2k, WinXP. Download from www.able-systems.com		
Temperature Range (operating)	0 - 50°C		
Reliability - MCBF	10^8 print pulses or 50kms. >13 million print lines (Approx. 3,500 paper rolls).		

Note 1: The proprietary Font Editor Utility software (order code Ap800FEU) enables customisation of character fonts by the user.

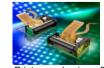Please note that for low volume purchases the Ap1310 family of printers are only available in kit form.

The different kits and their composition will be specified in due course. Contact our sales department or your local distributor for more information.

There are also some **new options** available:

Ap1310-DP as per the standard Ap1310 but suitable for use with mains power (no batteries).

Ap1310-DC as per the standard Ap1310 but with an integral DC:DC converter for automotive applications. Availability to be notified.

Ap1310-USB-DP as per the Ap1310-DP but with a USB (not RS232) serial data input (A to B connection). Availability to be notified.

Other products available from Able Systems include:

Portable printers

Panel mounting printers

Kiosk printers

In-vehicle printers

Printer mechanisms & interfaces

Accessories

Consumables