

TSC

The Smarter Choice.



ALPHA-4L Portable Direct Thermal Label Printer

RUGGED AND RELIABLE MOBILE PRINTING DELIVERS YOUR LABELS WHEREVER YOU NEED THEM



KEY FEATURES

- IP54-rated protective case to resist dust and water
- Plastic design with rubber over-mold construction that withstands 1.5 m (5 ft) drop and endures 1.8 m (6 ft) drop with its protective case
- Ready for EPL, ZPL, ESC-POS or CPCL environments, TSC Droid APP & SDK, WinCE Quick-link tool & SDK, iOS SDK
- Wired & wireless communication interfaces: USB 2.0, RS-232, Bluetooth and 802.11 a/b/g/n
- High capacity 5800 mAh rechargeable Li-ion batteries
- Large paper capacity to reduce the frequency of changing paper roll
- Linerless ready
- High-speed processor and extensive memory for fast print speeds of up to 102 mm (4) per second
- 1 year standard warranty

APPLICATIONS

- Portable point of sale
- Retail item marking, markdowns, shelf labeling & shelf talkers
- Labels for shipping & receiving
- Inventory control
- Cross-docking
- Pick, pack & apply operations
- Print pick tickets
- Logistics receipts

 **Diagraph**

GODREJ GENESIS, UNIT 1201, 12th FLOOR, PLOT XI, BLOCK EP & GP, SECTOR - V,
SALT LAKE CITY, KOLKATA - 700091, Contact - 8336934679
E-mail : enquiry@diagraph.co.in | support@diagraph.co.in
Website : www.diagraph.co.in | www.barcode-label.org

ALPHA-4L Portable Direct Thermal Label Printer



PRINTER MODEL	Alpha-4L
Resolution	8 dots/mm (203 DPI)
Printing method	Direct Thermal
Max. print speed	102 mm (4)/second 2, 3 ips for peeler mode
Max. print width	104 mm (4.09)
Max. print length	2,286mm (90)
Enclosure	Plastic with rubber over molded
Physical dimension	160 mm (W) x 191.6 mm (H) x 79 mm (D) 6.30 (W) x 7.54 (H) x 3.11 (D)
Weight (including battery)	1.1 kg (2.43 lbs)
Drop specification	1.5 m (5 ft) 1.8 m (6 ft) (w/ IP54-rated protective case)
IP rating	IP54 (w/case)
Max. roll capacity	67.3 mm (2.65) OD
Processor	32-bit RISC CPU
Memory	16 MB Flash memory 32 MB SDRAM microSD card reader for Flash memory expansion, up to 4 GB
Interface	USB 2.0 Bluetooth 802.11 a/b/g/n Wireless (factory option) RS-232 (user option)
Power	7.2V DC, 5800 mAh Li-ion rechargeable battery
Operation switch, button	2 buttons (Power, Feed) & 6 LED indicators (Printer, Battery, Wireless status) - standard 4 buttons (Power, Feed, Menu, Info) & 2 LED indicators (Power, Error) & 2 LCD display, 128 x 64 pixel w/backlight - factory option
Sensors	Black mark reflective sensor Transmissive gap sensor Peel sensor Head open sensor
Real time clock	Standard
Internal fonts	8 alpha-numeric bitmap fonts Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font
Bar code	1D bar code Code 11, Code 39, Code 93, Code 128UCC, Code 128 subsets A,B,C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN14, EAN128, UPC-A, UPC-E, EAN and UPC 2(5) digits, MSI, PLESSEY, POSTNET, China Post, ITF14, TELPEN, PLANET, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS 2D bar code Code 49, PDF-417, MicroPDF417, Maxicode, DataMatrix, QR code, Aztec, CODABLOCK F mode, GS1 Databar
Printer language	TSPL-EZ (Compatible to EPL, ZPL, ZPL II), ESC-POS or CPCL emulation
Media type	Die cut, black mark, receipt, fan-fold, linerless, continuous (outside wound)
Media width	50.8 ~ 112 mm (2.0 ~ 4.4)
Media thickness	0.055 ~ 0.165 mm (2.2 ~ 6.5 mil)
Media core diameter	12.7 ~ 25.4 mm (0.5 ~ 1)
Label length	12.7 ~ 2,286 mm (0.5 ~ 90) 25.4 ~ 152.4 mm (1 ~ 6) for peeler mode
Environment condition	Operation: -10 ~ 50 °C (14 ~ 122 °F), 10 ~ 90% non-condensing Storage: -40 ~ 60 °C (-40 ~ 140 °F), 10 ~ 90% non-condensing
Safety regulation	FCC, CE, CB, CCC, TÜV, SRRC, BC, NCC
Environmental concern	Comply with RoHS, WEEE
Accessories	Windows labeling software CD disk Quick start guide Belt Clip Li-ion battery Power adapter <i>*SDK for iOS (iPhone & iPad), Android 2.2 or higher, WinCE/MM 6.0/6.1pro can be downloaded from website.</i>
Limited warranty	1 year warranty on Printer and *6 months conditional warranty on print head.
Factory options	802.11 a/b/g/n Wireless network 2 LCD display, 128 x 64 pixel w/white LED backlight Black mark reflective sensor position (default center, right, or left side) Linerless kit
User options	USB to RS-232 converter cable USB cable Li-ion battery IP54-rated protective case Shoulder strap Charging station 1 cell or 4 cells (with changeable power connector) Vehicle power adapter



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