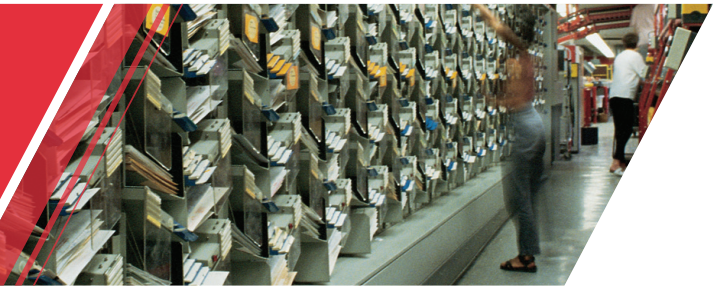
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TSC
The Smarter Choice.
CELEBRATING 20 YEARS





ALPHA-4L – Portable Direct Thermal Label Printer

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



KEY FEATURES

- TSC Designed & Manufactured
- 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, 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 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
- 2-Year Warranty is best in the industry

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

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 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, Code128UCC, Code128 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) 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, TUV, SRRC
Environmental concern	Comply with RoHS, WEEE
Accessories	• Windows labeling software CD disk • Quick start guide • Belt Clip • Li-ion battery • Power adapter *SDK for iOS (iPhone & iPad), Android 2.2 or higher, WinCE/WM 6.0/6.1pro can be downloaded from website.*
Limited warranty	• Printer: 2 years • Print head: 25 km (1 million inches) or 12 months which comes first • Platen: 50 km (2 million inches) or 12 months which comes first
Factory options	• 802.11 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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CORPORATE HEADQUARTERS
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: printer_sales@tscprinters.com

LI ZE PLANT
TSC Auto ID Technology Co., Ltd.
Tel: +886 3 990 6677
E-mail: printer_sales@tscprinters.com

AMERICAS
TSC Auto ID Technology America Inc.
Corporate Office
Tel: +1 909 525 9779
E-mail: sales@tscprinters.com

Orlando Office
Tel: +1 407 704 8918
E-mail: sales@tscprinters.com

CANADA
TSC Auto ID Technology America Inc.
Tel: +1 909 525 9779
E-mail: sales@tscprinters.com

MEXICO
TSC Mexico Representative Office
Tel: +52 (33) 3836 6682
E-mail: sales@idc-componentes.com

BRAZIL
TSC Brazil Representative Office
Tel: +55 (11) 9597 8098
E-mail: sales@tscprinters.com

EMEA
TSC Auto ID Technology EMEA GmbH
Tel: +49 (0) 8106 37979 00
E-mail: info@tsceu.com

RUSSIA
TSC Auto ID Technology EMEA GmbH
Tel: +7 915 422 8889
E-mail: info@tsceu.com

MIDDLE EAST
TSC Auto ID Technology ME Ltd, FZE
Tel: +971 4 2533 069
E-mail: info@tscmea.com

ASIA PACIFIC
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: printer_sales@tscprinters.com

CHINA
Tianjin TSC Auto ID Technology Co., Ltd.
Tel: +86 22 5981 6661
E-mail: sale@tscprinters.com.cn

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