TSC PRINTRONIX
AUTO ID

Alpha-30L Mobile Bar Code Printer, linerless, 203 dpi, 5 ips, USB+Bluetooth+WLAN

Portable compact thermal printer, with print widths up to 72 mm, compatible with Zebra printers. Robust construction, easy operation and flexible connections.

TSC's mobile barcode label printers, the Alpha-30L and Alpha-40L are user-friendly, heavy-duty and drop-resistant. These mobile printers propel you into the next generation of smart, enhanced technology solutions for industrial-grade label printing applications. With the Apple-certified MFi Bluetooth® 5.0 connection and 802.11 a/b/g/n/ac Wi-Fi fast roaming features, the Alpha-30L and Alpha-40L not only provide reliable and seamless communication with users' devices, they also securely print labels wherever they are needed.

The Alpha-30L and Alpha-40L's smart battery paired with SOTI Connect remote printer management and TSC Console provides unprecedented levels of productivity for enterprises to scale their business seamlessly and efficiently. The Alpha-30L and Alpha-40L support versatile media handling solutions including built-in peeler and a factory option for a linerless kit for a smarter, greener solution. The brand new mobile printers also provide a full line of accessories to assist in performing diverse labeling tasks while on the go, especially in rigorous logistics applications.

Main features of the mobile bar code printer TSC Alpha-30L:

- resistance tested for repeated falls from 1.8 m onto concrete
- IP54 rating for dust and water resistance
- TSC mobile printing app is available for both iOS and Android users
- print speed of 127 mm/s (5 ips)
- smart battery to ensure full shift productivity
- MFi Bluetooth® 5.0 with NFC tap-to-pair setup enables easy connectivity
- Thermal Smart Control technology significantly extends printhead life and ensures sharper print output

Technical Description

Functionality & Operation

Communication interface	Bluetooth 4.2 BLE, 802.11 a/b/g/n/ac/d/e/i/w dual band, NFC, USB, WLAN (WiFi), WPAN IEEE 802.15
CPU Type	32-bit RISC
1D Barcode Symbologies	All standard one-dimension barcodes
2D Code Symbologies	Codablock F, Aztec, GS1 DataMatrix, GS1 QR Code, MaxiCode, PDF417, QR code, TLC-39, MicroPDF417
Print mode	direct thermal
Maximal print width	72mm
Print speed	127mm/sec (5 ips)
Print resolution	203dpi
Fonts	8 alpha-numeric bitmap fonts, Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font
Maximal print length	2794mm
Memory	128 SDRAM, 128 MB Flash
Expansion slot	Micro SD Card (SDHC)
Operation interface	LCD display, 7x button
Commands set	TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL), ESC/POS
Chipset	standard

Optical

Sensors	open print-head detector, reflective, transmissive

Electrical

Main battery pack	Rechargeable Li-Ion battery 3030 mAh

Mechanical

Dimensions	Width: 117mm, Height: 173mm Length: 79mm
Weight	745g
Body housing	ABS plastic with rubber
Color	black

Consumables

Media type	thermal labels, roll of thermal paper
Maximal paper width	80mm
Minimal paper width	25.4mm
Media thickness	0.06 to 0.16mm
Maximal roll diameter	67mm
Ribbon core diameter	12.7mm to 19,1 mm

Environment

Shock resistance	drop from 1,8 m on to concrete surface
Operating humidity (non-condensing)	10 to 90%
Storage humidity (non-condensing)	10 to 90%
Ingress protection	IP54
Operating temperature	-20 to 50°C

Storage temperature	-30 to 70°C
Others	
Certifications	CE, C-Tick, CB, CCC, RoHS, WEEE
Warranty	2 years (printer)
Warranty	25km or 12 months (print head)
Warranty	1 year (battery)