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TSC
The Smarter Choice.
CELEBRATING 20 YEARS





ALPHA-3R – Portable Direct Thermal Printer

SIMPLIFY YOUR EVERYDAY MOBILE PRINTING NEEDS



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
- Wired & wireless communication interfaces: USB 2.0, RS-232, Bluetooth, and 802.11 b/g/n
- High capacity 2500 mAh rechargeable Li-ion batteries
- Large paper capacity to reduce the frequency of changing paper roll
- High-speed processor and extensive memory for fast print speeds of up to 102 mm (4") per second
- Lasts more than 12 hours of printing receipts on a single battery charge
- Supports TSPL-EZ (EPL and ZPL emulations) or CPCL emulation
- 2-Year Warranty is longer than other competitor's warranty

APPLICATIONS

- Direct Store Deliveries (DSD)
- Field Repair/Installation
- Mobile Point-of-Sale
- Parking Citations
- Mobile Ticketing
- Onboard Transportation Ticketing
- Utility Billing/Meter Reading

ALPHA-3R – Portable Direct Thermal Printer

PRINTER MODEL	Alpha-3R
Resolution	8 dots/mm (203 DPI)
Printing method	Direct Thermal
Max. print speed	102 mm (4")/second
Max. print width	72 mm (2.83")
Max. print length	2,286 mm (90")
Enclosure	Plastic with rubber over-mold construction
Physical dimension	116 mm (W) x 148 mm (H) x 70 mm (D) 4.57"(W) x 5.83"(H) x 2.75"(D)
Weight (including battery)	0.55 kg (1.212 lbs)
Drop specification	1.5 m (5 ft)
IP rating	IP54 (w/case)
Max. roll capacity	Receipt: 57 mm (2.25") OD Label: 55 mm (2.16") OD
Processor	32-bit RISC CPU
Memory	• 4 MB Flash memory • 8 MB SDRAM
Interface	• USB 2.0 • 802.11 b/g/n Wireless (factory option) • Bluetooth (factory option) • RS-232 (user option)
Power	Two-cell, 7.4V DC, 2500 mAh Li-ion rechargeable battery
Operation switch, button	• 3 buttons (On/off, feed, and cover-open) • 2 color LED for printer status, 3 LEDs for battery status
Sensors	• Reflective sensor • Head open sensor
Internal fonts	• 8 alpha-numeric bitmap fonts • One Monotype Imaging® CG Triumvirate Bold Condensed scalable font
Bar code	• 1D bar code Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST, GS1 Data bar • 2D bar code PDF-417, Maxicode, DataMatrix, QR code, Aztec
Printer language	TSPL-EZ™ (Compatible to EPL, ZPL, ZPL II) or CPCL emulation
Media type	Receipt paper, Bline receipt paper (Black mark in printing side) & Selected label
Media width	Receipt: 50.8 ~ 80 mm (2" ~ 3.15") Label: 50.8 ~ 78 mm (2" ~ 3.07")
Media thickness	Receipt: 0.0508 ~ 0.1016 mm (2 ~ 4 mil) Label: Fasson standard label media up to 0.14 mm (5.5 mil)
Media height	Label: Min. 25.4 mm (1")
Media core diameter	10.2 ~ 25.4 mm (0.4" ~ 1")
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, C-Tick
Environmental concern	Comply with RoHS, WEEE
Accessories	• Windows labeling software CD disk • Quick start guide • Belt Clip • Li-ion battery • Power adapter
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 • Bluetooth module
User options	• USB to RS-232 converter cable • USB cable • Li-ion battery • Charge station 1 cell (with changeable power connector) • Vehicle power adapter • IP54-rated protective case with shoulder strap



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