

TSC

The Smarter Choice.



ALPHA-2R – Portable Direct Thermal Printer

SMALLEST MOST AFFORDABLE MOBILE PRINTER



KEY FEATURES

- IP54-rated environmental case to resist the dust and water
- Plastic design construction that withstands 1.5 m (5 ft) drop
- Wired & wireless communication interfaces: USB 2.0, RS-232, Bluetooth 4.0, NFC and 802.11 a/b/g/n
- Wi-Fi Certified™
- High capacity 1620 mAh rechargeable Lithium 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 17 hours of printing receipts on a single battery charge
- Supports TSPL-EZ (EPL2 and ZPL emulations), ESC-POS, CPCL emulation
- 2-year standard warranty
- ENERGY STAR® qualified

APPLICATIONS

- Direct Store Deliveries (DSD)
- Proof of Delivery and Pickup
- Field Sales/Repairs
- Mobile Point-of-Sale
- Parking Citations
- Mobile Ticketing
- Onboard Transportation Ticketing
- Utility Billing/Meter Reading
- Fleet Management

ALPHA-2R – Portable Direct Thermal Printer

| PRINTER MODEL | Alpha-2R |
|-----------------------------------|---|
| Resolution | 8 dots/mm (203 DPI) |
| Printing method | Direct Thermal |
| Max. print speed | 102 mm (4")/second |
| Max. print width | 48 mm (1.89") |
| Max. print length | 2,286 mm (90") |
| Enclosure | Plastic |
| Physical dimension | 89.3 mm (W) x 134.5 mm (H) x 56.5 mm (D) 3.52" (W) x 5.3" (H) x 2.22" (D) |
| Weight (including battery) | 0.35 kg (0.77 lbs) |
| Drop specification | 1.5 m (5 ft), with IP54 case can be 2 m (6.5 ft) |
| IP rating | IP42 (without case) IP54 (with case) |
| Max. roll capacity | 50 mm (2") OD |
| Processor | 32-bit RISC CPU |
| Memory | <ul style="list-style-type: none"> • 128 MB Flash memory • 64 MB SDRAM |
| Interface | <ul style="list-style-type: none"> • USB 2.0 • 802.11 a/b/g/n wireless (factory option) • Bluetooth 4.0 (factory option) • NFC (factory option) • RS-232 (user option) |
| Power | Two-cell, 7.4V DC, 1620 mAh Li-ion rechargeable battery |
| Operation switch, button | <ul style="list-style-type: none"> • 3 buttons (On/off, feed, and cover-open) • 2 color LED for printer status, 3 LEDs for battery status |
| Sensors | <ul style="list-style-type: none"> • Reflective sensor • Head open sensor |
| Internal fonts | <ul style="list-style-type: none"> • 8 alpha-numeric bitmap fonts • One Monotype Imaging® CG Triumvirate Bold Condensed scalable font |
| Bar code | <ul style="list-style-type: none"> • 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 (EPL2, ZPL2), ESC-POS or CPCL emulation |
| Media type | Receipt paper, bline receipt paper (mark in printing side) & selected label |
| Media width | Max 58 mm (2.28") *with adapter: 50.8 mm (2") and 25.4 mm (1") (user option) |
| Media thickness | Receipt: 0.05 ~ 0.10 mm (2 ~ 4 mil) Label: Fasson media up to 0.14 mm (5.5 mil) |
| Media height | Label: Min. 25.4 mm (1") |
| Environment condition | Operation: -20 ~ 50 °C (-4 ~ 122 °F), 10 ~ 90% non-condensing Storage: -30 ~ 70 °C (-22 ~ 158 °F), 10 ~ 90% non-condensing |
| Safety regulation | FCC, IC, CE, CB, BC, TÜV, NCC, NoM, EAC, FAC, Energy Star® |
| Environmental concern | Comply with RoHS, WEEE, REACH |
| Accessories | <ul style="list-style-type: none"> • Quick start guide • Belt clip • Li-ion battery • Power adapter |
| Limited warranty | <ul style="list-style-type: none"> • 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 |
| MCBA (Mean Cycle Between Failure) | <ul style="list-style-type: none"> • Electrical: 37,000,000 lines • Head: Approximately 50 km |
| Factory options | <ul style="list-style-type: none"> • 802.11 a/b/g/n wireless network • Bluetooth • Linerless • NFC • Fork truck mount, cart mount |
| User options | <ul style="list-style-type: none"> • Mini type USB 2.0 • USB to RS-232 converter cable • Li-ion battery • Charge station 1 cell (with changeable power connector) • Charge station 4 cell (with changeable power connector) • Vehicle power adapter • IP54-rated environmental case with shoulder strap • 12-24V DC automobile cigarette lighter plug • Adapters for 1" or 2" media roll width |



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