TSC
The Smarter Choice.

ALPHA-2R Portable Direct Thermal Printer

SMALLEST MOST AFFORDABLE MOBILE PRINTER

TAIWAN
EXCELLENCE 2018

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, Bluetooth 4.2 + MFi, 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

- **1 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	128 MB Flash memory 64 MB SDRAM
Interface	USB 2.0 802.11 a/b/g/n wireless (factory option) Bluetooth 4.0 (factory option) Bluetooth 4.2 + MFi (factory option) NFC (factory option) RS-232 (user option)
Power	Two-cell, 7.4V DC, 1620 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 (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	Quick start guide Belt clip Li-ion battery Power adapter
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 Bluetooth MFi Linerless NFC Fork truck mount, cart mount
User options	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