

# 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"> <li>• 128 MB Flash memory</li> <li>• 64 MB SDRAM</li> </ul>
Interface	<ul style="list-style-type: none"> <li>• USB 2.0</li> <li>• 802.11 a/b/g/n wireless (factory option)</li> <li>• Bluetooth 4.0 (factory option)</li> <li>• NFC (factory option)</li> <li>• RS-232 (user option)</li> </ul>
Power	Two-cell, 7.4V DC, 1620 mAh Li-ion rechargeable battery
Operation switch, button	<ul style="list-style-type: none"> <li>• 3 buttons (On/off, feed, and cover-open)</li> <li>• 2 color LED for printer status, 3 LEDs for battery status</li> </ul>
Sensors	<ul style="list-style-type: none"> <li>• Reflective sensor</li> <li>• Head open sensor</li> </ul>
Internal fonts	<ul style="list-style-type: none"> <li>• 8 alpha-numeric bitmap fonts</li> <li>• One Monotype Imaging® 'CG Triumvirate Bold Condensed' scalable font</li> </ul>
Bar code	<ul style="list-style-type: none"> <li>• 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</li> <li>• 2D bar code PDF-417, Maxicode, DataMatrix, QR code, Aztec</li> </ul>
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"> <li>• Quick start guide</li> <li>• Belt clip</li> <li>• Li-ion battery</li> <li>• Power adapter</li> </ul>
Limited warranty	<ul style="list-style-type: none"> <li>• Printer: 2 years</li> <li>• Print head: 25 km (1 million inches) or 12 months which comes first</li> <li>• Platen: 50 km (2 million inches) or 12 months which comes first</li> </ul>
MCBA (Mean Cycle Between Failure)	<ul style="list-style-type: none"> <li>• Electrical: 37,000,000 lines</li> <li>• Head: Approximately 50 km</li> </ul>
Factory options	<ul style="list-style-type: none"> <li>• 802.11 a/b/g/n wireless network</li> <li>• Bluetooth</li> <li>• Linerless</li> <li>• NFC</li> <li>• Fork truck mount, cart mount</li> </ul>
User options	<ul style="list-style-type: none"> <li>• Mini type USB 2.0</li> <li>• USB to RS-232 converter cable</li> <li>• Li-ion battery</li> <li>• Charge station 1 cell (with changeable power connector)</li> <li>• Charge station 4 cell (with changeable power connector)</li> <li>• Vehicle power adapter</li> <li>• IP54-rated environmental case with shoulder strap</li> <li>• 12-24V DC automobile cigarette lighter plug</li> <li>• Adapters for 1" or 2" media roll width</li> </ul>



### CORPORATE HEADQUARTERS

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