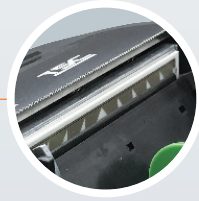


Alpha-30R Mobile Receipt Printer

Compact Yet Powerful to Enable High Volume Printing

Ruggedized Design

- IP 54
- MIL-STD-810G drop & vibration
- 2.1m drop and 1,000 tumbles at 1m
- 2.5m drop with case
- Seamless key pad and interface cover for zero liquid leakage



Printhead

- Self-Diagnostic TPH Care mechanism detects bad dot for high-quality printouts

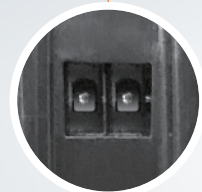
Non-Slip Design

- Streamlined and rubber over molded design for comfortable handhold experience



LCD Display

- For status indication



Media Sensor

- Black mark sensor on printing surface
- Premium:
 - Extra black mark sensor for backside
 - Gap sensor

Linerless Printing*

- Linerless kit

Media

- Width: 25.4 ~ 80mm
- Capacity: max. OD 57mm
- Type: receipt paper, receipt paper with black mark in printing side, selected label, linerless (outside wound)

Seamless Connectivity

- NFC tap-to-pair for Bluetooth
- 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2
- Certified MFi Bluetooth® 5.0



Standard Model

Basic



Premium

Premium

Forklift Solutions*

- Vehicle mount
- Battery eliminator

Charging Terminal*

- Docking cradle for whole unit charging

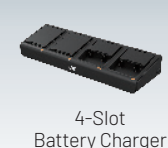
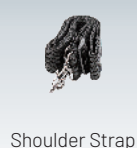
Smart Battery

- 3030mAh to monitor battery health and capacity



* Optional feature, please contact your local sales representative

Full Line of Accessories



Alpha-30R Datasheet

Model	Alpha-30R	
Version	Basic	Premium
Resolution	8 dots/mm (203dpi)	
Printing Method	Direct Thermal	
Max. Print Speed	Up to 127mm (5")/second	Up to 152mm (6")/second
Max. Print Width	72mm (2.83")	
Max. Print Length	2,794mm (110")	
Enclosure	Plastic with rubber over molded	
Physical Dimension (W x H x D)	118mm x 158mm x 68mm (4.64" x 6.22" x 2.68")	
Weight (Including Battery)	0.65 kg (1.43 lbs)	
Drop Specification	2.1 m (6.9 ft), with protective case can be 2.5 m (8.2 ft)	
MIL-STD 810	Drop and vibration	
Tumble Test	800 free falls from 1 m (3.3 ft), with protective case can be 1000 free falls from 1 m (3.3 ft)	
IP Rating	IP54 (w/o case, paper path is excluded)	
Max. Roll Capacity	57mm (2.24") OD	
Processor	32-bit RISC CPU	
Memory	128 MB SDRAM, 128 MB Flash	
Interface	Either one selected: Type C USB 2.0 + MFI Bluetooth 5.0 + Passive NFC tag Type C USB 2.0 + 802.11 a/b/g/n/ac with Bluetooth 4.2 + Passive NFC tag <small>* Type C is for communication only</small>	
Power	7.4V DC, 3080mAh Li-ion rechargeable battery	7.4V DC, 3030mAh Li-ion rechargeable smart battery
Operation Switch, Button	3 buttons (On/off, feed, and cover-open) 1 LCD for printer status	2 color LEDs for printer status and battery charging status
Sensors	Reflective sensor Head open sensor	Reflective sensor Head open sensor Gap sensor
Real Time Clock	Standard	
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-EZC (EPL2, ZPL2, CPCL), or ESC-POS	
Media Type	Receipt paper, receipt paper with black mark in printing side, selected label, linerless (outside wound)	Receipt paper, receipt paper with black mark in printing side or backside, label, linerless (outside wound)
Media Width	25.4 ~ 80mm with liner (1" ~ 3.15")	
Media Thickness	0.06 ~ 0.16mm (2.36 ~ 6.3 mil)	
Media Height	Label: Min. 25.4mm (1")	
Media Core Diameter	Standard: 12.7mm (0.5") / Optional: 19.05mm (0.75")	
Environment Condition	Operation: -20 ~ 55°C (-4 ~ 131 °F), 10 ~ 90% non-condensing / Storage: -30 ~ 70°C (-22 ~ 158 °F), 10 ~ 90% non-condensing	
Environmental Concern	Comply with RoHS, WEEE	
Accessories	Quick start guide Li-ion battery	Belt clip Power adaptor
Limited Warranty	Printer: 2 years Battery: 1 year	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	Linerless kit	
User Options	Type C USB 2.0 cable 0.75" media core adaptor Protective case with shoulder strap Shoulder strap 1-slot docking cradle (for premium model only) 4-slot docking cradle (for premium model only)	1-slot battery charger 4-slot battery charger 12-24V DC Vehicle Power Adaptor 12-60V DC Vehicle Power Adaptor 12-48V DC power source with battery eliminator (for premium model only) Vehicle mount adaptor can be used with RAM® MOUNTS (for premium model only)

Compatible Accessories

Description	Compatible Models					
	A30R Premium	A30R Basic	A40L/RFID	A30L	TDM-30	TDM-20
Li-ion Smart Battery 3030mAh	V	V		V	V	
1-Slot Docking Cradle	V		V	V		
4-Slot Docking Cradle	V		V	V		
1-Slot Battery Charger	V	V	V	V	V	
4-Slot Battery Charger	V	V	V	V	V	
12-24V DC Vehicle Power Adaptor	V	V	V	V	V	V
12-60V DC Vehicle Power Adaptor	V	V	V	V	V	V
Battery Eliminator (3 inch)	V	V		V	V	
USB Cable	V	V	V	V		



Global Headquarters
 9F, No. 95, Minquan Road, Xindian District
 New Taipei City, Taiwan 231
 Office: +886 2 2218 6789

Americas
 3040 Saturn Street, Suite 200
 Brea, CA 92821 U.S.A.
 Office: +1 657 258 0808

EMEA
 Georg-Wimmer-Ring 8b
 85604 Zorneding, Germany
 Office: +49 8106 37979 000

©2022 TSC Auto ID Technology Co., Ltd. All Rights Reserved.

TSC Printronix Auto ID tscprinters.com