

Alpha-30L and Alpha-40L Mobile Label Barcode Printer

Intelligent Label Printing for Enterprise Professionals

TSC's new mobile barcode label printers, the Alpha-30L and Alpha-40L are user-friendly, heavy-duty and drop-resistant. The new mobile printers propel you into the next generation of smart, enhanced technology solutions for industrial-grade label printing applications.

With the Apple-certified MFi Bluetooth® 5.0 connection and 802.11 a/b/g/n/ac Wi-Fi fast roaming features, the Alpha-30L and Alpha-40L not only provide reliable and seamless communication with users' devices, they also securely print labels wherever they are needed.

The Alpha-30L and Alpha-40L's smart battery paired with SOTI Connect remote printer management and TSC Console provides unprecedented levels of productivity for enterprises to scale their business seamlessly and efficiently.

The Alpha-30L and Alpha-40L support versatile media handling solutions including built-in peeler and a factory option for a linerless kit for a smarter, greener solution. The brand new mobile printers also provide a full line of accessories to assist in performing diverse labeling tasks while on the go, especially in rigorous logistics applications.

Key Features

Sophisticated TSC Sense Care

- Auto scans and detects printhead bad dots during printing
- Monitors smart battery to ensure full shift productivity, reduce total cost of ownership and avoid downtime

Seamless Mobility Communication

- MFi Bluetooth® 5.0 with NFC tap-to-pair setup enables easy connectivity
- Dual band Wi-Fi with fast roaming and enterprise-grade security ensures reliable and safe operation

Integrated Software Pack

- Supports label printing applications for different platforms
- TSC mobile printing app is available for both iOS and Android™ users

Industry-Specific Durability Standards

- IP54 rating for dust and water resistance
- Rugged design for drops from 1.8 m and tumbles from 1.0 m

Dynamic Remote Printer Management

- SOTI Connect and TSC Console support multiple management tasks,reduce maintenance costs and avoid downtime of business-critical devices

Full Line of Accessories

- Assist in performing diverse labeling tasks including hands-free mobility

Applications

Manufacturing

- Raw materials, finished goods
- Asset management

Transportation and Logistics

- Shipping and receiving
- Direct store delivery

Retail

- Shelf labeling
- Supermarket relabeling

Healthcare

- Emergency medical service ambulance

TSC PRINTRONIX AUTO ID

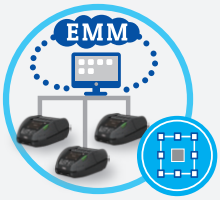
Mobile Printing For Your Business

Key Benefits



High Performance and Rugged Design for On the Go Enterprise Professionals

Enjoy fast, effortless printing on the go with the innovative Alpha-30L and Alpha-40L , which have been carefully crafted from the ground up to provide you with the dependable performance. The Alpha-30L and Alpha-40L are IP54 rated for dust and water resistance. Both models have been rigorously tested to withstand 1.0 m tumble and 1.8 m drop. Furthermore, protective cases are available for ruggedness level with 2.5 m drop.
Due to its durable design, the Alpha-30L and Alpha-40L meet MIL-STD-810G military standards for drop and vehicle vibration. Ideal for enterprise professionals on the go, the models have high productivity features for direct store delivery (DSD) and industrial field service.



Dynamic Remote Printer Management with SOTI Connect and TSC Console

The Alpha-30L and Alpha-40L printers are designed to be managed by enterprise-level printer management systems to help users monitor printer status, give warning messages to ensure maximum productivity and avoid downtime. SOTI Connect and TSC Console provide advanced printer management for multiple tasks and reduced maintenance costs. The Alpha-30L and Alpha-40L come with sophisticated features such as smart battery status that can be seamlessly integrated and managed in SOTI Connect and TSC Console. Paired together, these two management systems allow users to respond quickly and keep their operations running smoothly.



Seamless Mobility Communication

Seamless and reliable wireless connection is crucial for mobile devices.
TSC introduced the latest 802.11 a/b/g/n/ac Wi-Fi certified module to enable fast roaming and enterprise-grade security to ensure reliable and safe operation. Also, the new mobile printers are equipped with Apple-certified MFi Bluetooth® 5.0 with NFC tap-to-pair for easy connectivity, so users can securely print labels wherever they need them. The TSC Mobile Utility APP is available for both iOS and Android™ users. Using this APP allows an authorized IT staff member to troubleshoot and solve mobile printer problems quickly and efficiently.



Full Line of Accessories

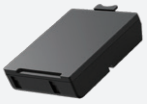
The Alpha-30L and Alpha-40L come with a full line of accessories to assist in performing diverse labeling tasks including hands-free mobility. Available with a complete forklift and vehicle accessory option, the Alpha-30L and Alpha-40L's vehicle mount adaptors allow users to easily integrate the printer onto a forklift with intuitive RAM® mount components. Designed with the need for warehouse vehicles to have a continuous power source in mind, a battery eliminator kit is available for the Alpha-30L and Alpha-40L to increase productivity and prevent downtime for an entire work shift.



Integrated Software Pack

The Alpha-30L and Alpha-40L not only support OPOS, but also provide mainstream platform SDK support for Windows™ and Windows™ Mobile (WinCE), Android™ and iOS. With OPOS and SDK software packs integrated into the Alpha-30L and Alpha-40L mobile printers, users can easily store and manage settings and reduce programming time for faster deployment. After integration, the customized software can be leveraged and tailored to switch between POS terminals and printers for quick port communications, connections and print command transfers.

Alpha-30L and Alpha-40L Accessories

Alpha-30L	Alpha-40L	Description	Factory option	User option
		**Protective Case with Shoulder Strap** The protective case enhances the extra level of protection for harsh environment especially for the outdoor usage.		✓
		**Shoulder Strap** Designed for carrying the printer directly without a protective case.		✓
		**Belt Clip** Use the belt clip for a complete hands-free solution.		✓
 3030 mAh	 6200 mAh	**Li-ion Smart Battery** The Li-ion smart battery works with TSC Console and SOTI Connect to monitor battery information, charge cycles, and remaining capacity.		✓
		**1-Slot Docking Cradle** Easily charge the printer without removing the battery.		✓
		**4-Slot Docking Cradle** Easily charge multiple printers without removing the battery.		✓
		**1-Slot Battery Charger** Use the 1-slot charger to quickly charge the battery without any downtime.		✓
		**4-Slot Battery Charger** The 4-slot charger is well-suited for heavy-duty missions.		✓
		**12-24VDC Vehicle Power Adaptor** For automobile vehicle plug to charge on the car		✓
		**12-60VDC Vehicle Power Adaptor** For automobile vehicle plug to charge on the car		✓
		**Battery Eliminator** Connect printer and vehicle power source directly by open-ended wire without using battery. It can be used with vehicle mount adaptor.		✓
		**Vehicle Mount Adaptor** Easily mount the printer on a forklift		✓
		**Linerless Kit** The linerless kit suits linerless printing needs.	✓	

Alpha-30L and Alpha-40L | Data Sheet

Model	Alpha-30L	Alpha-40L
Resolution	8 dots/mm (203 dpi)	
Printing method	Direct Thermal	
Max. print speed	5 ips	
Max. print width	72 mm	104 mm
Max. print length	2,794 mm (110")	
Enclosure	Plastic with rubber over molded	
Physical dimension (W x H x D)	117 mm x 173 mm x 79 mm	160 mm x 191 mm x 79 mm
Weight (including battery)	745 g	985 g
Drop specification	1.8 m (6 ft), with protective case can be 2.5 m (8.2 ft)	
IP rating	IP54 (w/o case, paper path is excluded)	
Max. roll capacity	67 mm OD	
Processor	32-bit RISC CPU	
Memory	• Standard: 128 MB SDRAM, 128 MB Flash, microSD card reader for Flash memory expansion, up to 32 GB • Factory Option: 256 MB SDRAM, 512 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 Wi-Fi with Bluetooth 4.2 + Passive NFC tag ＊ Type C is for communication only.	
Power	7.4V DC, 3,030 mAh Li-ion rechargeable smart battery	7.4V DC, 6,200 mAh Li-ion rechargeable smart battery
Operation button	7 buttons (Power, Feed/Pause, Menu, Navigation keys)	
User interface	• 2 LED indicators (battery charging status, printer status), • 2.3" color LCD display, 320 x 240 pixels	
Sensors	• Reflective sensor • Transmissive sensor • Peel sensor • Head open sensor	
Real time clock	Standard	
Internal fonts	• 8 alpha-numeric bitmap fonts • Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font	
Barcode	• 1D barcode Code128UCC, Code128 subsets A、B、C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Standard 2 of 5, Industrial 2 of 5, Code39, Code39 with check digit, Code93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, EAN14, Code11, TELEPEN, TELEPEN number, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS • 2D barcode CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39	
Printer language	TSPL-EZC (EPL2, ZPL2, CPCL), or ESC-POS	
Media type	Die cut, black mark, receipt, fan-fold, linerless, continuous (outside wound)	
Media width	25.4 ~ 80 mm with liner	50.8 ~ 112 mm with liner
Media thickness	0.06 ~ 0.16 mm	
Media height	• 12.7 ~ 2,794 mm (0.5" ~ 110") • 25.4 ~ 152.4 mm (1" ~ 6") for peeler mode	
Media core diameter	• 12.7 mm (0.5"), standard • 19.1 mm (0.75"), with 0.75" ID adaptor	
Environment condition	• Operation: -20 ~ 50 °C (-4 ~ 122 °F), 10 ~ 90% non-condensing • Storage: -30 ~ 70 °C (-22 ~ 158 °F), 10 ~ 90% non-condensing • Charging: 0 ~ 40 °C (32 ~ 104 °F), 10 ~ 90% non-condensing	
Accessories	• 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 • Battery: 1 year	
Factory options	• Media sensor position (default center, right, or left side) • Linerless kit	
User options	• Type C USB 2.0 cable • Protective case with shoulder strap • Shoulder strap • Li-ion smart battery • 1-slot docking cradle • 4-slot docking cradle	• 1-slot battery charger • 4-slot battery charger • 12-24VDC vehicle power adaptor • 12-60VDC vehicle power adaptor • 12-48VDC power source with battery eliminator • Vehicle mount adapter can be used with RAM® MOUNTS

Product models and specifications are subject to change without notice.



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