# star✦ TSP-L10 Series

## The World's "Best" Lottery Printer / Secure Transaction Printer with 100 Ticket Stacker

**20cm Diameter Paper Roll**

**ENERGY STAR**

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## SECURE

- Internal Scanner for real-time ticket verification or complete / partial journal
- Reverse mech "VOID" print (factory option)
- Power / paper feed switch disable command

## RELIABLE

- Internal ticket verification
- Printer 60 million lines MCBF
- Autocutter 2 million cuts
- Print head dot check
- Cutter damage prevention
- Easy cutter access

## QUALITY

- Greyscale - 16 shades
- 203 x 203 dpi
- Print Density Monochrome 6 levels Greyscale 8 levels
- Star manufacturing quality

## TRANSACTION PRINTING

- Compact design with Easyload 200 mm diameter paper roll
- Print speed up to 300 mm / sec.
- Dual Interface USB & Ethernet
- USB Host Port
- Ticket stacker for up to 100 printed receipts/tickets

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*From the US to sunny South Africa, Star Micronics has been proudly supplying thousands of printing solutions for the world's largest lottery systems for more than 2 decades. This experience has led to the production of the world's best lottery printer to date.*

## TSP-L10 Series Printer Models

**TSP-L10 UE-24 GR**  24V DC Grey
USB/Ethernet without internal Ticket Scanner

**TSP-L11 UE-24 GR**  24V DC Grey
USB/Ethernet with internal Ticket Scanner

*NB: Factory option "VOID" Mechanism rewind*

**STAR Graphic Mode emulation** controlled by Custom Star API (Application Programmer Interface). Star Mode version to follow (Date TBC)

### OEM Modular Design Flexibility
The TSP-L10 has been built specifically for OEMs / system integrators who require a level of hardware flexibility for the addition of other devices such as RFID readers using the TSP-L10's USB Host port
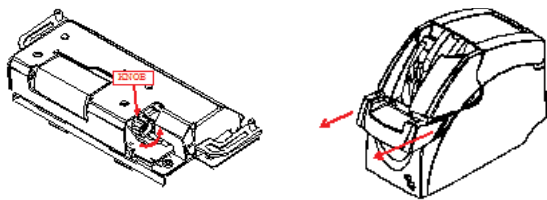
**Full Image Internal Ticket Scanner** with host terminal barcode decoding of all types of barcode.
**Colour**  Monochrome **Resolution**  200dpi
**Greyscale**  256 grades **Scan width** 84mm 672 dot
**Control command**  see TSP-L10 command specs

### Star Reliability
**Head Dot Check** detects & reports missing dot to host if set-up (see TSP-L10 Command Specs)
**Cutter Damage Prevention** The printer's lid cannot be opened during cutter operation
**Easy Cutter Access** with paper feed knob
**Status Back Command Set** for no received data; recoverable / non-recoverable; sensor condition etc.



**Ticket Stacker** for 50 - 300mm long output.
50 - 200mm long - holds up to 100 tickets
200 - 300mm long - holds 30 tickets plus



# TSP-L10 Series Secure Transaction Printers

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|---|---|
| **Printer Method** | Direct Thermal Line Printing |
| **Print Speed** **Throughput** (non scanner model) | up to 300mm/second 100 tickets / 120 seconds (150mm ticket) |
| **Print Quality** **Greyscale** | 203 x 203 dpi   (640 dots per line) 16 shades of grey |
| **Print Density** **Missing Dot Detection** | Monochrome - 6 levels Greyscale - 8 levels Supported with Host status command response |
| **Emulation** | Star Graphic Mode (controlled by Star API) Star Mode model to follow (end 2012 TBC) |
| **Connectivity  Interface** **USB Host Port** **Peripheral Drive Circuit** | Dual Port - 2.0 High speed USB & Ethernet Standard 2 Output 1 Input (RJ-11) |
| **Scanner** **CIS type** | Factory option set: scanner unit, hold roller unit, scanner controllable PCB |
| **Paper** Width (Print width) | 82.5mm (max.80mm centre 1.25mm margins) |
| Thickness | 0.0075 - 0.09mm |
| Roll Diameter | 200mm |
| Paper Loading | "Drop-In & Print" Easy Load |
| Sensors Near End Sensor | Cover Open; Black mark; Paper End; Head  Thermistor; PCB Thermistor 4 positions |
| **Driver Utility** | Linux Support OS; SDK supported; Linux Star  IO & QT library |
| **Top Margin** | 11mm default / 3mm selectable |
| Power Supply | 24 V Star PS60A-24 option |
| Dimensions (w x d x h) mm | 165 x 343 x 276mm   4.4Kg with scanner incorporating 200mm diameter paper roll |
| **Reliability** | Printer MCBF 60 million lines Head 100km Autocutter (guillotine full cut) 2 million lines |

**Internal Ticket Scanner with reverse mechanism for immediate "VOID" function**



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**www.Star-EMEA.com**